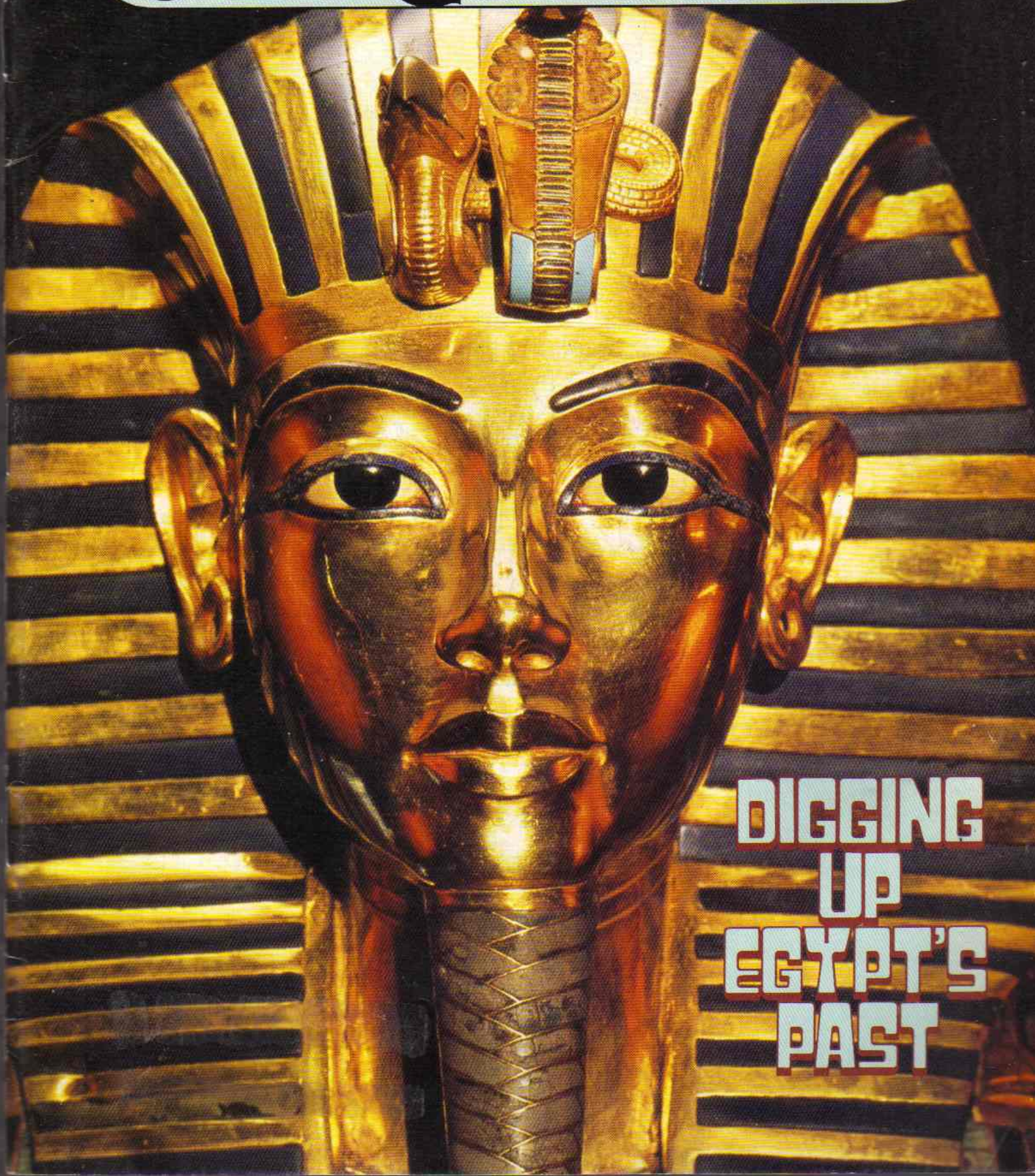


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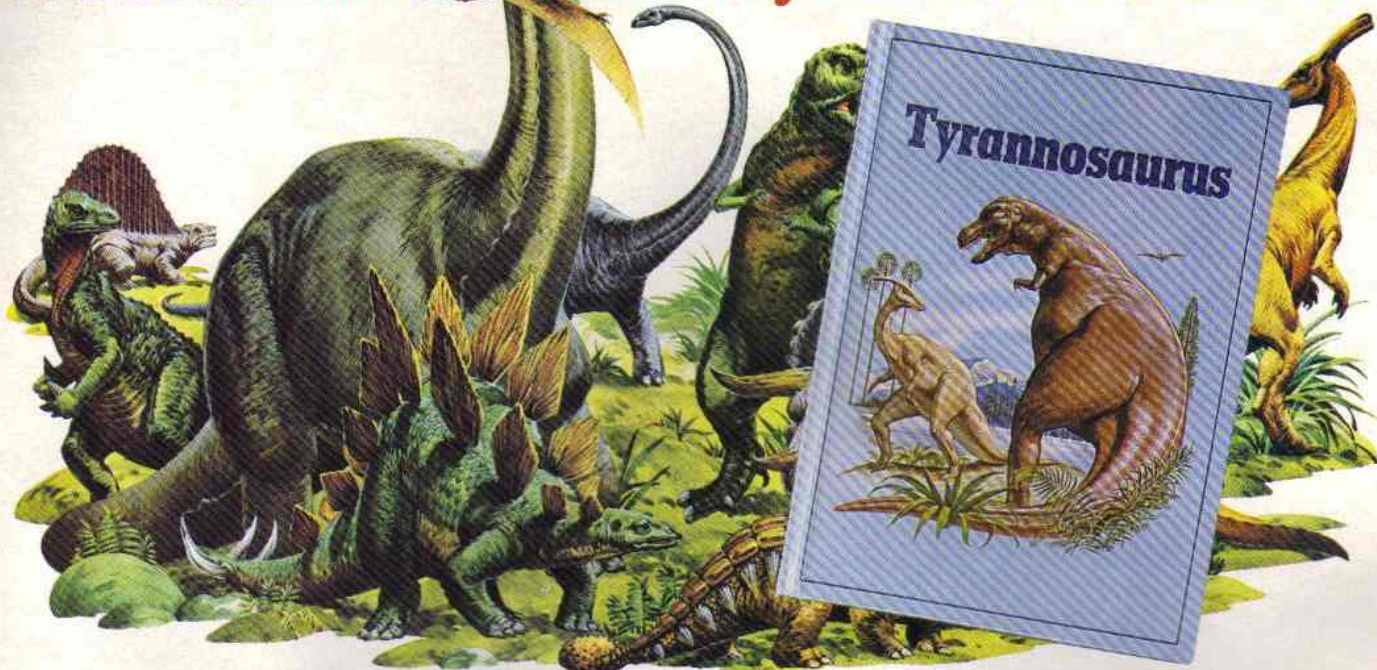


**DIGGING  
UP  
EGYPT'S  
PAST**



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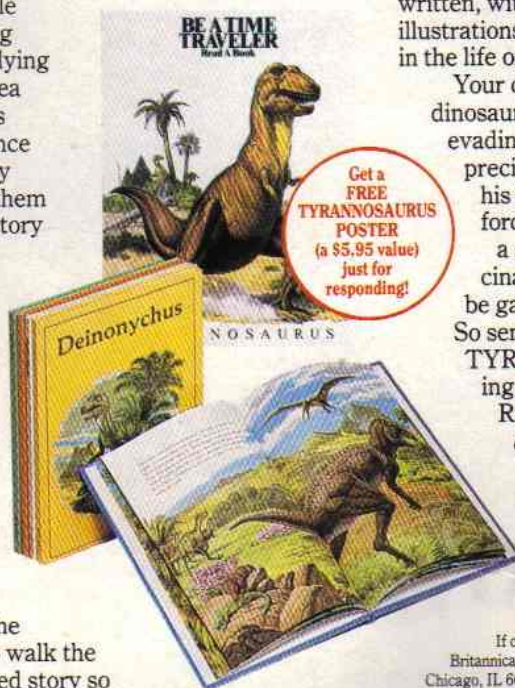
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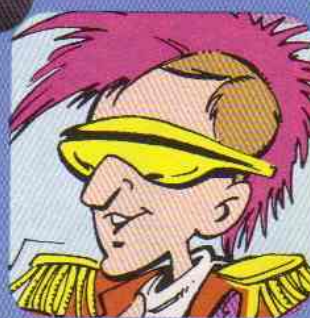


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On Our Cover: The photo shows a mask of Tutankhamen, a ruler of Egypt. He lived about 3,300 years ago. The mask is made of solid gold and precious stones. It was discovered in the ruler's tomb in 1922. Photo © Brian Brake/Photo Researchers, Inc.



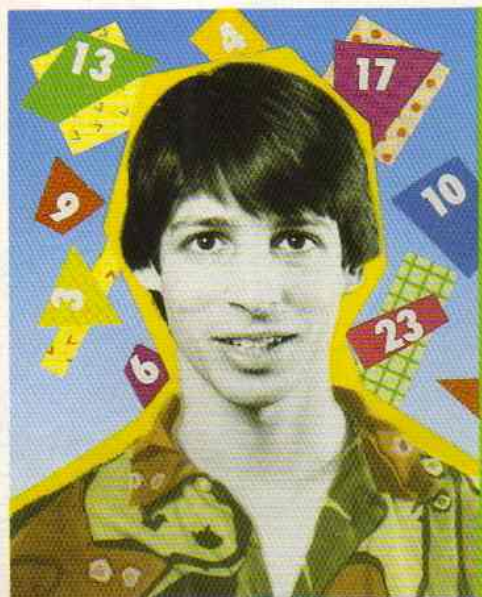


PHOTO © BRAD MARKEL

## Magic Numbers

What's  $.05 \times 26.3 \times 236.87 \times .3899 \times 723$ ? You've got 60 seconds to figure it out—without a calculator.\*

That's the kind of math problem Arthur Benjamin would do on stage. He's a mathemagician—someone who performs mathematical magic. Benjamin does long math problems in his head—like a human calculator.

His secret is simple. He uses mnemonics (nu-MON-ix)—a system that helps people remember a number by giving it a sound.

For instance, the number 6 gets a “ch” sound. The number 4 gets an “r” sound. The number 64 sounds like “ch-r,” or chair. For most people, the word “chair” is easier to remember than the number 64.

When Benjamin is performing his math tricks, he changes the large numbers into his “code” and remembers them that way.

Try this at home, but it might take a while before you can “count” on your speed.

\*The answer is: 87806.636.

## What a CUTE Hypacrosaur!

In the last few years scientists have discovered the eggs and bones of several species of baby dinosaurs. Now scientists say that some baby dinos were cute!

That may not sound like an important scientific discovery. But it might help scientists figure out whether or not dinosaurs took care of—and watched out for—their young.

Some scientists think that certain species are born with “cute” characteristics that make their parents more likely to take care of them.

These characteristics are signals to adults that the babies need help and care. Humans and dogs, for instance, have small noses or snouts and big heads for most of their baby years.

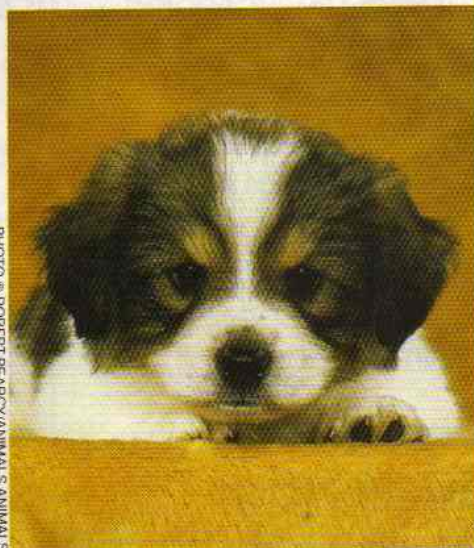


PHOTO © ROBERT PEARCY/ANIMALS ANIMALS

Reptiles, which don't nurture their young, are born with adult-shaped heads. But the babies of hypacrosaurs and other dinosaurs had “pushed-in” snouts and large heads. This might have made their dino parents more likely to take care of them.

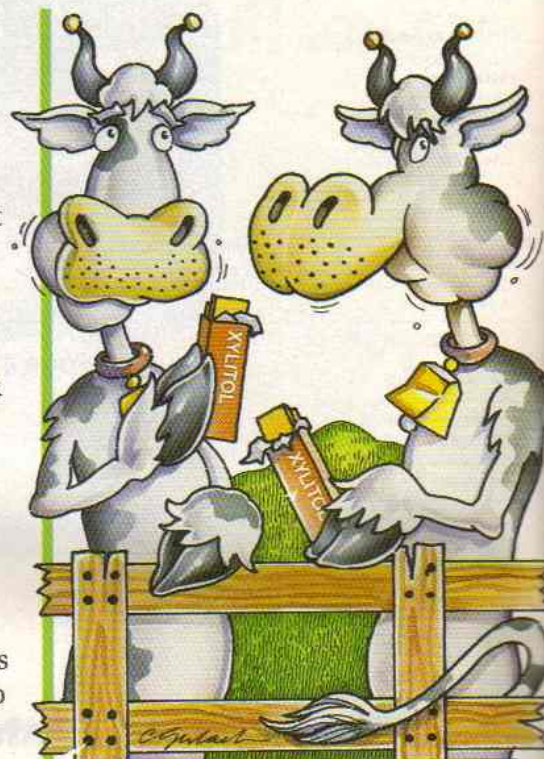


ILLUSTRATION BY CAMERON GERLACH

## Gumming up the Works

It's hard to believe, but some dentists are actually telling their patients to chew gum—if it contains an ingredient called xylitol (ZY-luh-tall).

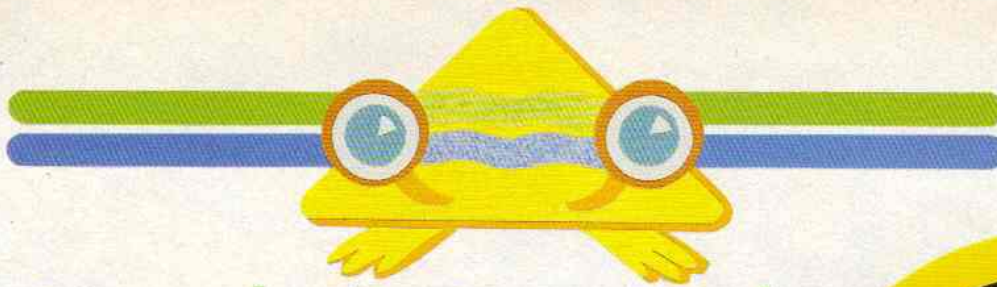
Kauko Makinen is a professor of dentistry at the University of Michigan. He has been studying xylitol for years.

In his latest study, Makinen found that chewing xylitol after meals reduces cavities by 50%. And, Makinen claims that xylitol keeps fighting cavities even years after you stop chewing it!

Xylitol is a natural sugar found in fruits and plants. Check with your dentist to see if he or she recommends chewing xylitol.

If your dentist says it's okay to chew gum with xylitol, remember to check the label. Other gums are not good for your teeth. Only gum that contains xylitol has this cavity-fighting power.





## A Tube of My Own

Space campers at the U.S. Space Camp in Huntsville, AL, are now living in this "Space Habitat."

The design for Space Habitat is based on designs for a space station that NASA, the U.S. space agency, hopes to have in space by the 1990's.

Space Habitat is made of huge metal tubes, each longer than a football field. The tubes will be divided into sleep stations that have built-in exercise equipment and computers.

The structure holds about 444 students and counselors. But this space station will not be leaving Earth!

For more information on Space Camp, call: 1-800-63SPACE or write:

U.S. Space Camp  
One Tranquility Base  
Huntsville, AL 35807

## Looks Fishy to Me

Dr. Jerome Wolken is a scientist who studies nature to give him ideas for human-made designs.

Dr. Wolken was searching for a good pair of eyes when he found the copilia (Co-PEE-lee-ya)—a small, transparent sea creature.

After studying the unusual eyes of the copilia, Wolken designed a special eye lens for people with bad vision.

What's so unusual about the copilia's eyes? The copilia lives far down in the ocean, where there is very little light. They have special eyes that are designed to catch all the available light.

Wolken's design is made of two lenses, just like the copilia's eyes. The front lens magnifies what it sees. The one behind it gathers all the light.

Some people have already tried the "fish-eye" lens. "They can see better than they ever have before," Wolken told CONTACT.

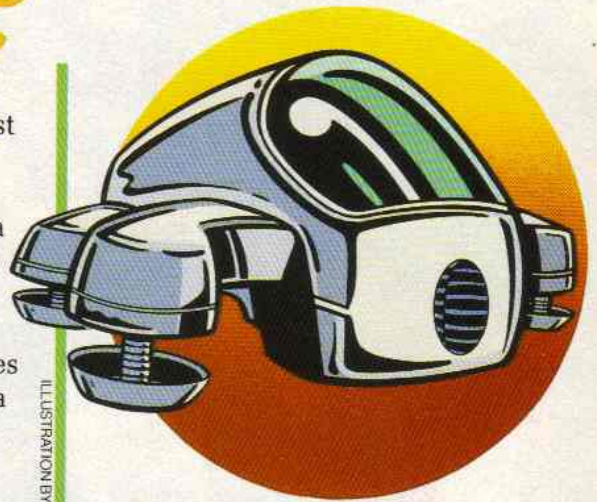


ILLUSTRATION BY BRAD HAMANN

## Wok's Next?

The "Toyota Ideas Olympics" is an event held every year in Japan. It gives the workers at the big car company a chance to show off some of their own inventions.

This year's winning entry is called the "Next Wheel." It's a car that uses a Chinese cooking utensil, called a wok, instead of wheels. When the woks are tilted, the car moves forward.

Another inventor came up with a solution for umbrellas that keep dripping after it rains. Most umbrellas fold with the wet side out. The new umbrella folds with the wet side in. But it still needs a little work before it hits the stores. Even the inventor had a hard time folding it.

## So What's New?

You tell us and you'll get a nifty CONTACT T-shirt—if we print your story. Send us any science story from the news that you think our readers would like to know about. (Be sure to tell us your T-shirt size and where you heard the story.) Send to:

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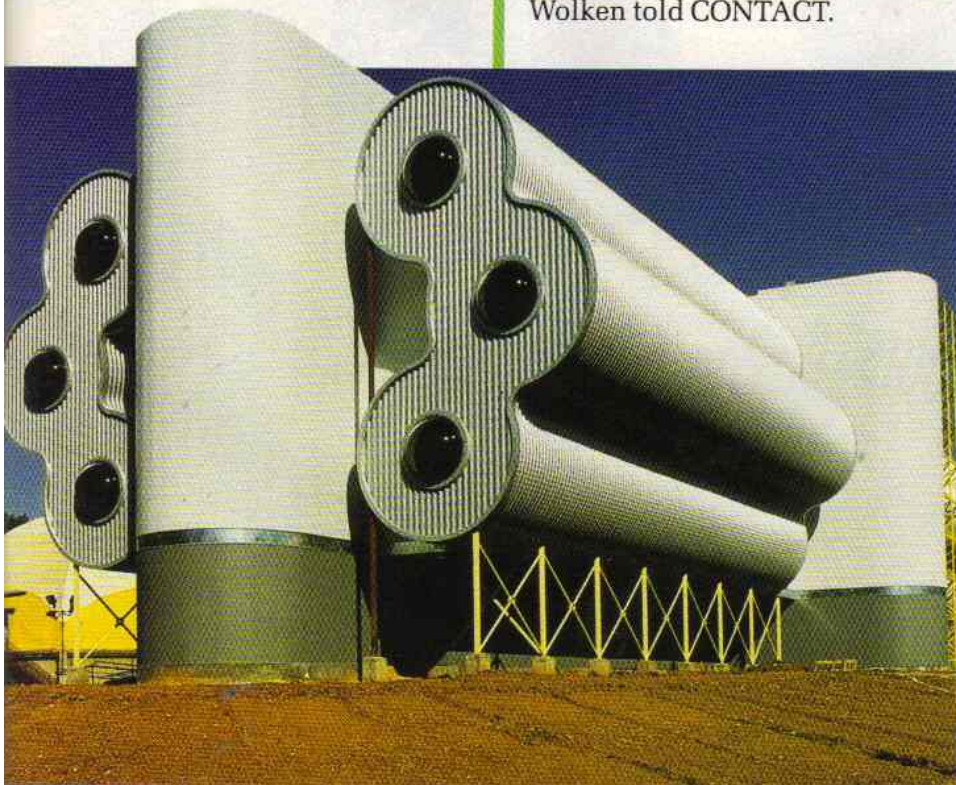


PHOTO © BOB GATHANY



# IS THIS A JOB FOR INDIANA JONES?



PHOTO © 1991 LUCASFILM LTD.

**CONTACT  
TAKES A LOOK AT  
REAL-LIFE ARCHEOLOGISTS**  
by Rebecca Bondor & Eric Weiner



**“W**here is the secret tomb of Pinejem I?” demanded the Egyptian police chief.

Mohammed and his brothers insisted they knew nothing about it.

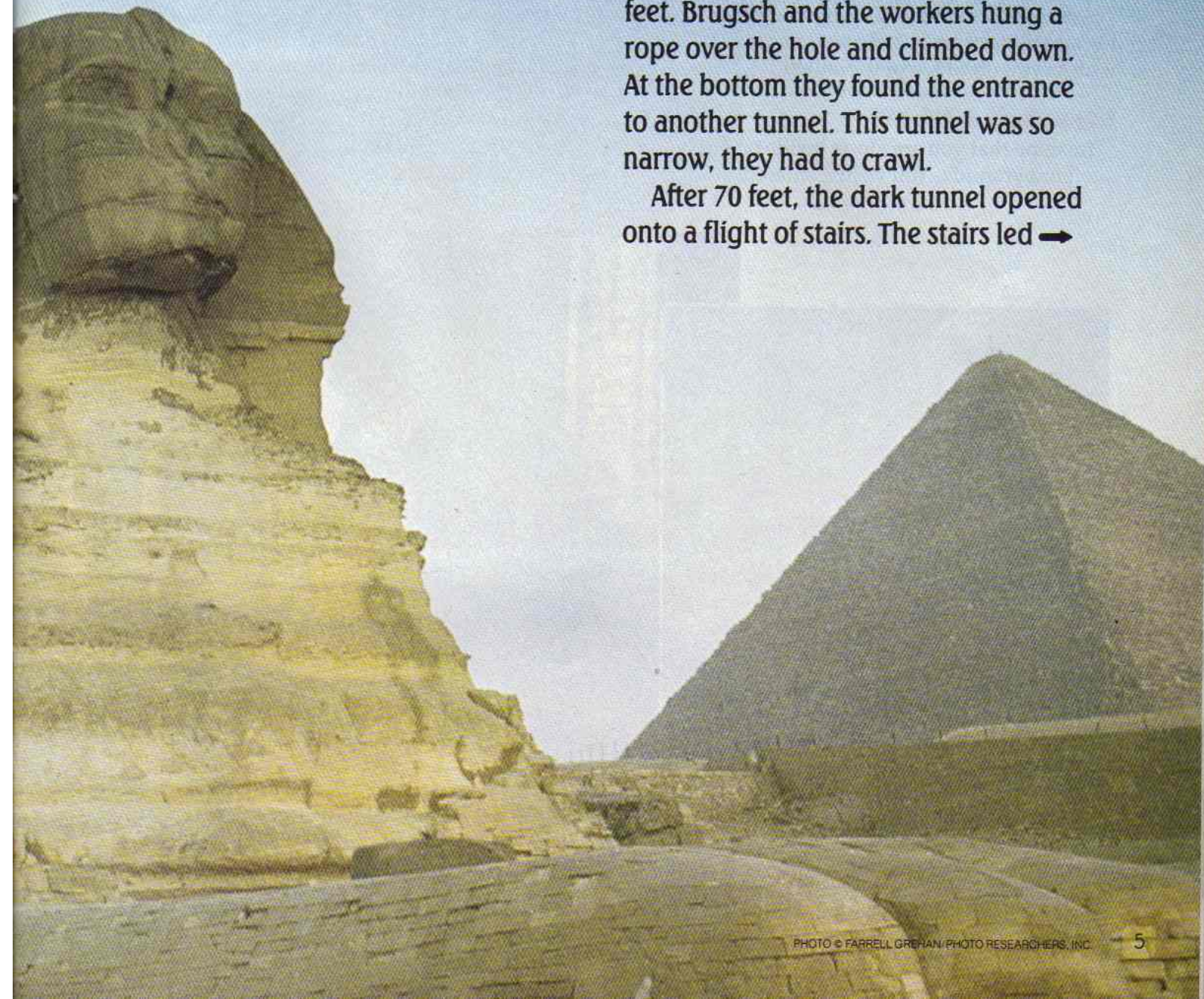
The brothers had been caught selling rare ancient treasures. The treasures were examined by Egyptologists—scientists who study ancient Egyptian culture. The Egyptologists believed that the robbers had stumbled on the burial place of a famous Egyptian king, thou-

sands of years old. They were desperate to find the tomb before robbers stole any more.

Finally, Mohammed told the truth. He agreed to lead the way to the tomb. Two days later, Emile Brugsch, an Egyptologist, and a crew of workers followed Mohammed on a dangerous climb up a desert cliff. The path turned suddenly. There was a crack hidden in the cliff wall—a tunnel!

The tunnel went straight down into the cliff—a sheer drop of almost 40 feet. Brugsch and the workers hung a rope over the hole and climbed down. At the bottom they found the entrance to another tunnel. This tunnel was so narrow, they had to crawl.

After 70 feet, the dark tunnel opened onto a flight of stairs. The stairs led ➔





to a large room. Brugsch lit a candle and gasped. The room was filled with gold-covered coffins. Written on the coffins were the names of many of ancient Egypt's most famous kings and queens.

That story may sound like a scene from the new movie *Indiana Jones and the Last Crusade*. It's not. It really happened. For hundreds of years, real-life Indiana Joneses have been hunting for the buried ruins of ancient Egypt. They've found tombs filled with gold, mummies, statues, sacred goblets, ancient ships. And they're not done yet. Today Egyptologists believe that only 40% of Egypt's buried ruins have been found!

Are the lives of real-life Egyptologists as exciting and dangerous as Indiana Jones's? CONTACT whisks you off to Egypt to find out!

### Was That A Hiss?

Imagine that you are alone inside one of Egypt's ancient pyramids. You've just entered a tomb

filled with gold. You want to fill your sack with treasure, but there's one little problem. The room is brimming over with wriggling, hissing, poisonous snakes!

That's the kind of problem that Indiana Jones faces all the time. But for real-life Egyptologists, such as William and Elsie Peck, that's not really the case. According to the Pecks, Egyptologists never have to deal with hundreds of snakes in one place. But, they say, snakes such as vipers and cobras are a problem in Egypt.

"The very first thing we teach a new person," William Peck told CONTACT, "is never pick up anything with your fingers. Always use your foot or a stick." That way, if a sand viper has buried itself in the sand, or if a cobra is under a rock, you may avoid being bitten.

### A Group Effort

In the movies, Indiana Jones spends most of his time in fistfights, car chases, and shootouts. In real life, Egyptologists don't carry guns and spend almost all of their time working. And while Indiana usually works alone, Egyptologists work on "digs" with large crews.

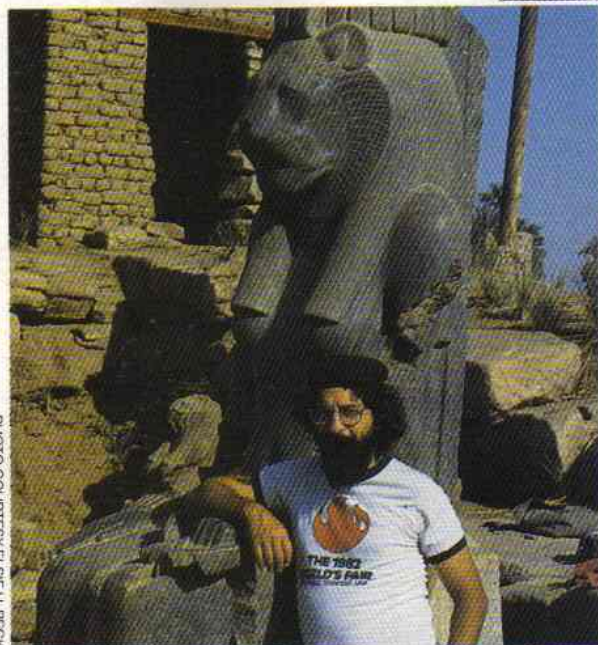


PHOTO COURTESY ELSIE H. PECK

Indiana Jones isn't the only one who climbs down ropes into secret tombs. So do real-life archeologists like Dr. Robert Bianchi (above).



PHOTO © 1981 LUCASFILM LTD.



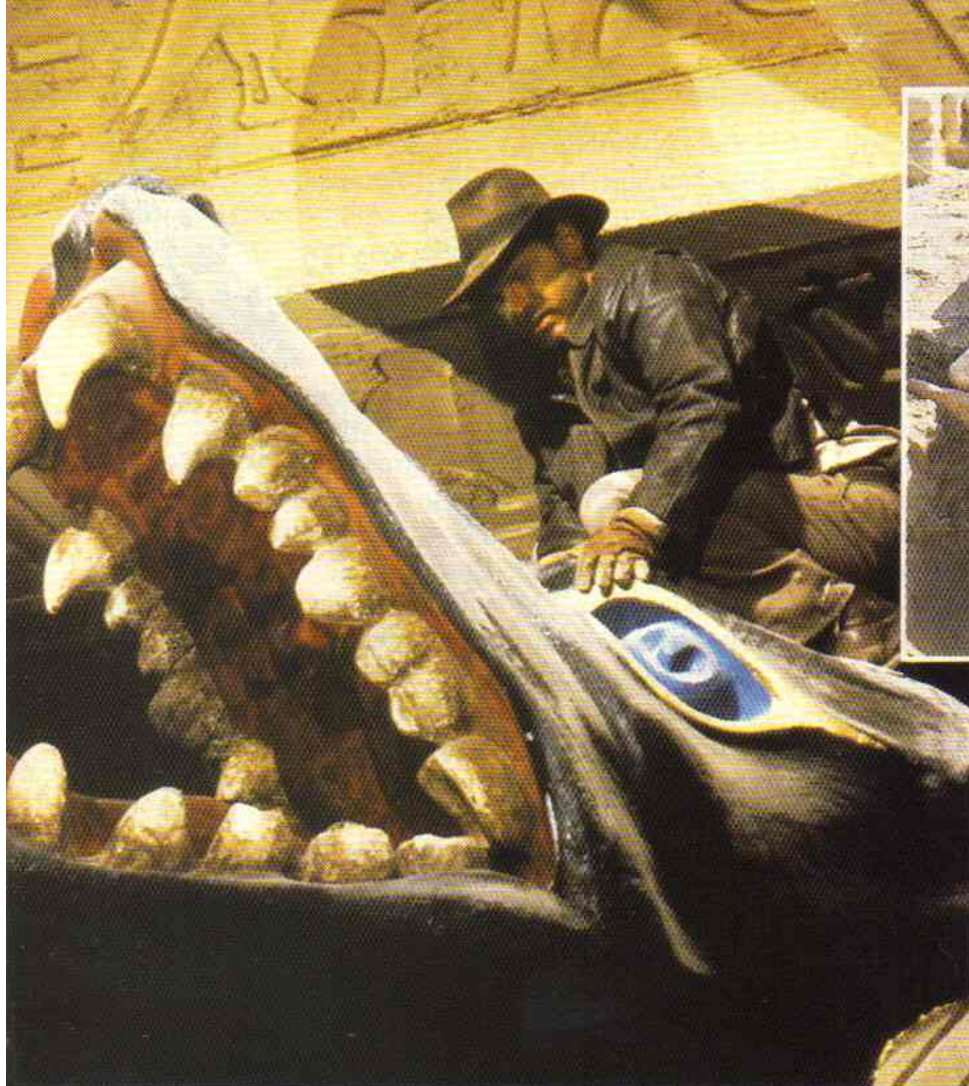


PHOTO COURTESY ELSIE H. PECK

Remember this scene from *Raiders of the Lost Ark*? Indy smashes this sculpture. In real life, archeologists like William Peck handle treasures as delicately as they can.

PHOTO © 1981 LUCASFILM LTD.

On a dig, scientists carefully dig up an area they think may contain valuable ruins. A single dig can last for months or even years.

Indiana Jones has an adventure a minute. According to Dr. Robert Bianchi, his daily schedule on a dig is a lot less action-packed:

**5:30 a.m.:** Get up. Have some tea and toast.

**6:00 to 9:30:** Work at the dig.

**9:30 to 10:00:** Breakfast.

**10:00 to 1:00:** Back to work.

**1:00 to 3:00:** Lunch.

**3:00 to 6:00:** Back to work.

**6:00 to 8:00:** Shower and dinner.

**9:00:** Bedtime.

At the dig, the Egyptologist maps out the site. "First you record exactly what's there," says William Peck. "Then you map out what you think might have been there, long ago."

Using string, workers stake out a small square area, say 10 feet by 10 feet. Then they begin scraping the earth and sifting it into baskets. The workers have to watch out for tiny pieces of broken pottery. Everything found on the dig must be pho-

tographed and catalogued. Egyptologists may be able to put the ancient pottery pieces back together!

Teenage boys and girls carry away the sifted dirt. Whenever workers find a large stone or brick, they stop scraping. That "brick" may turn out to be something valuable. Using small picks, the head worker and Egyptologist take over and begin delicately digging out the object.

## Real Danger

While Indiana Jones fights against nasty villains, real Egyptologists fight the heat of the desert sun. "You must drink a lot of well water," Elsie Peck told CONTACT. Drinking lots of water helps prevent heat stroke.

You couldn't survive on a dig wearing an Indiana Jones outfit, adds Peter Lacovara. All that leather is way too hot! Peter is an Egyptologist who works for the Boston Museum of Fine Arts. Peter told CONTACT that he usually wears very light clothing, high boots (because of snakes), and sunscreen. If he wears a hat at all, it is just a ➡



light cap to protect his head and face from the sun.

Working inside a tomb, today's Egyptologists wear *hardhats*. That's because of another real danger: cave-ins. "If you're digging into a tomb for the first time," says Dr. Bianchi, "you might bring down a wall."

## Ancient Raiders

Egyptologists have had to search long and hard to find many of Egypt's ancient tombs. But there has never been any trouble locating the pyramids! Each one of these massive stone structures was built thousands of years ago as a "house" for a dead king.

Ancient Egyptians buried their queens and kings with rooms full of gold and other treasure. The pyramids were designed to be burglar-proof. They were built with secret tunnels, passageways leading to dead ends, holes for would-be robbers to fall into, and rooms without doors!

But when Egyptologists entered the pyramids, in every case they found that someone had been

there before them—robbers. The tombs were ransacked, and most of the precious objects were gone. Egyptologists believe that these first raiders struck thousands of years ago, not long after the pyramids were built.

In a sense, Egyptologists used to be raiders themselves. They hunted for treasure to bring to museums in other countries. Today, the Egyptian government has put a stop to that. Egyptologists can't take home the treasures they find. No one can dig without a license and a permit. And soldiers guard the tombs.

According to Dr. Bianchi, that suits Egyptologists just fine. "Most Egyptologists today are not in the field to find that priceless gold object. They're there to find *information*."


That may not sound as glamorous as the life of Indiana Jones. But Egyptologists talk about an excitement greater than any adventure movie. It's the moment when the scientist comes face to face with the past. Imagine walking into a room that hasn't been entered in 3,000 years! 



PHOTO © 1989 LUCASFILM LTD.

In the new movie, villains tie up Indy and his dad and leave them to die. Real-life archeologists like William and Elsie Peck don't have to deal with such problems!

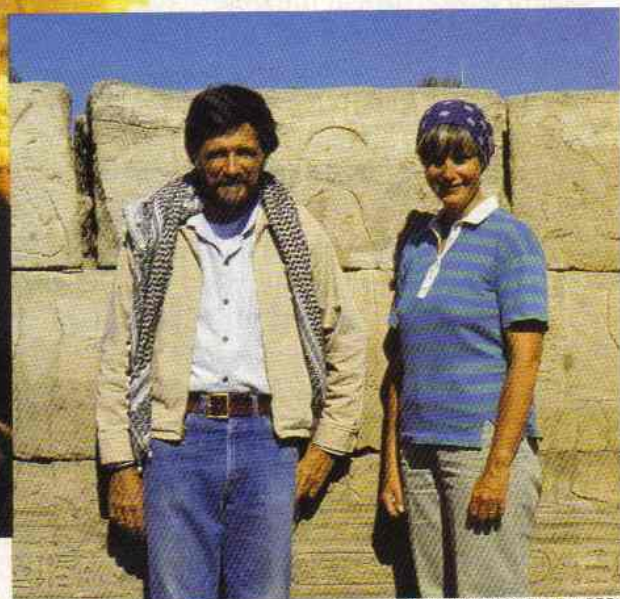


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# Snack Attack

## THE RESULTS OF OUR FOOD POLL

by Istar Schwager

In our November issue, we asked you to tell us about what, how and when you eat. More than 6,000 of you sent in your answers. That really gave us something to chew on!

We told Dr. Isobel Contento, an expert on food and nutrition at Columbia University Teachers College in New York City, what you said. You'll find her comments, tips and suggestions sprinkled throughout these pages.

So thanks to all of you for giving us food for thought. Now, here are some of the things you told us.

### How to Read the Graphs

Our research department read and thought about every poll we received. Your answers gave us a good picture of what kids eat. Then we turned your answers into percentages. The percentages tell you how many readers out of every 100 gave a certain answer. For instance, 57 out of every 100 kids who answered the poll said they make their own breakfast. That's 57%.



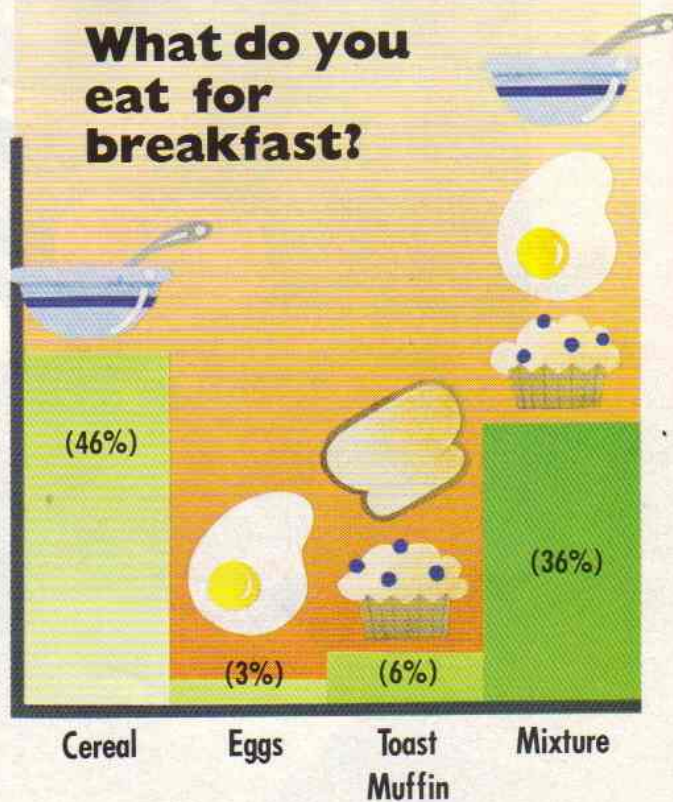
### Breakfast

Over half of you make your own breakfast. Cereal was the most popular choice.

**Dr. Contento Comments:** Cereal is great for breakfast. But it's a good idea to choose cereals that don't have sugar added. Also, eat cereals that are high in fiber.

A good way to start the day, before even eating cereal, is to eat a piece of fruit or drink fruit juice. And remember, always include milk—both in your cereal and separately.

### What do you eat for breakfast?







## Lunch

Most of you said that you decide what to eat for lunch at school. And many readers seem to buy the school lunch, at least some of the time.

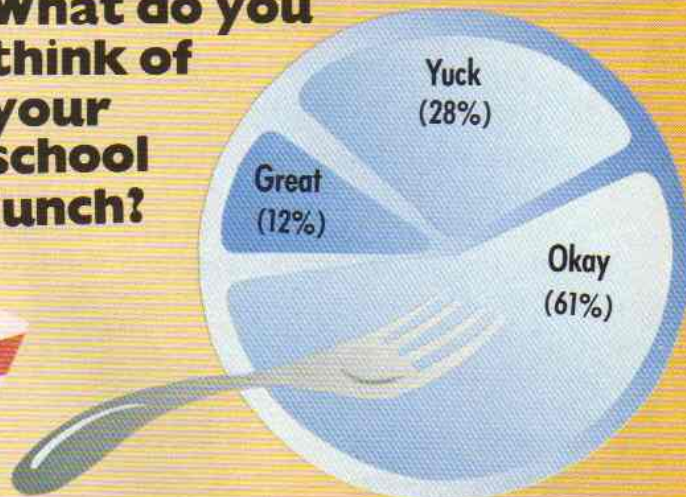
As you can see from the "What Do You Think of Your School Lunch?" graph, most kids said what's cooking at school is just fine.

What do kids use to wash down their lunches? The second graph shows you that most said "milk."

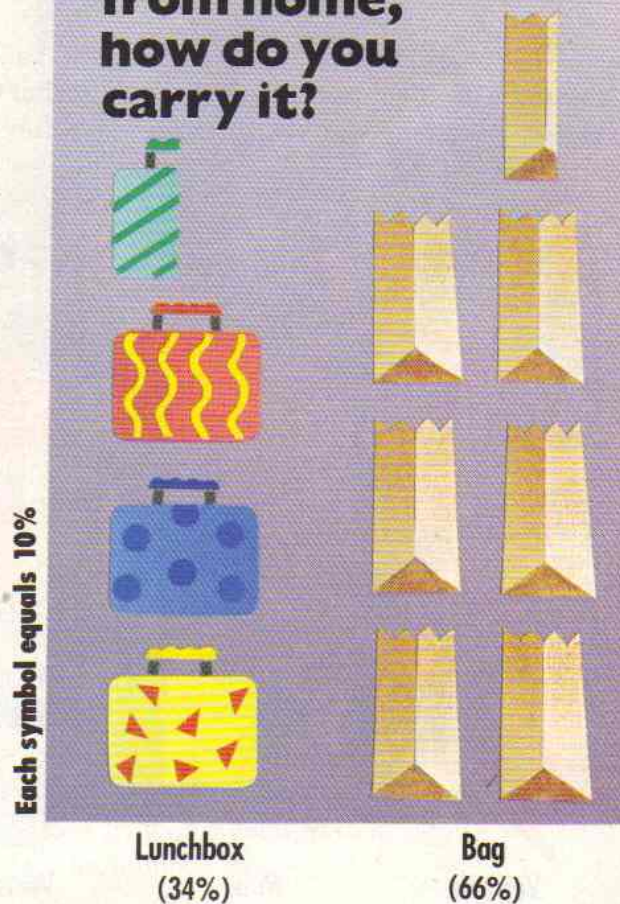
**Dr. Contento Comments:** Milk is a good choice, since it builds strong bones. Soft drinks, such as soda-pop, don't provide any nutrients, so kids should drink them only once in a while.



### What do you think of your school lunch?



### If you bring lunch from home, how do you carry it?



ILLUSTRATIONS BY JO LYNN ALCC





## Snacktime

Most CONTACT readers have an after-school snack. Some favorites include cookies, candy and fruit.

**Dr. Contento Comments:** Snacks are important for growth and health, so they should be wholesome. It's a good idea to stay away from sugary foods. Instead, try carrots, apples, low-fat yogurt, and whole wheat bread with jam. If you do eat cookies, munch on the oatmeal raisin or whole wheat kind.

### Who gets your snack?



## Too Fat or Too Thin?

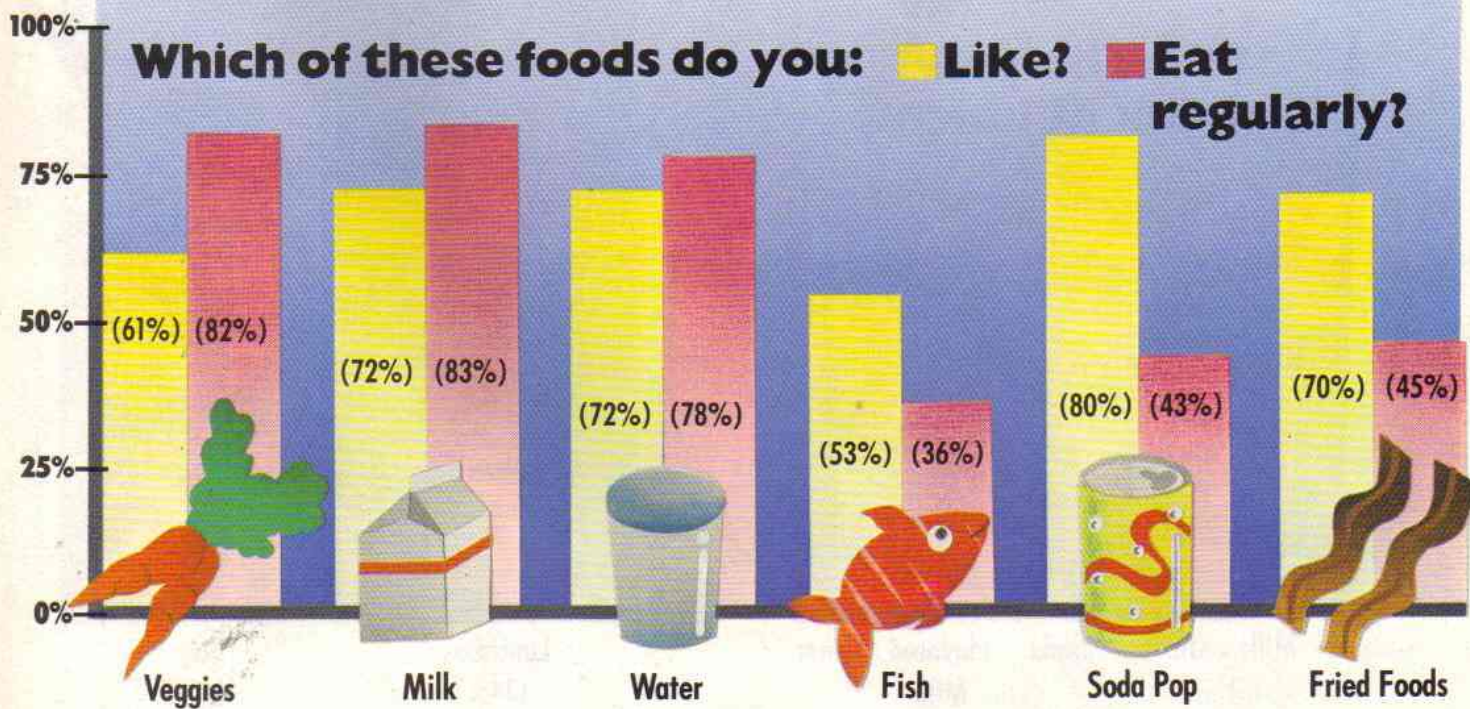
Most kids (73%) reported that they thought their weight was "just right." Some readers said they had been on diets to lose weight.

**Dr. Contento Comments:** Most kids don't need to diet because they are going through a time of rapid growth. If they eat normal portions of food, then dieting isn't necessary. But it is necessary to stay away from high-fat foods so kids can get tall without getting fat!

## Good Taste or Good Health?

About 63% of you said that how good a food tastes is most important in choosing what to eat. About 30% choose foods because they are healthful.

The poll listed nine foods and asked readers if they liked them, if they thought they kept kids healthy, and if they ate these foods regularly. The graphs show what readers said.







## Fatty Foods

Recently health experts have become worried about the amount of fat in people's diets. Many popular foods, such as hot dogs, hamburgers, french fries, potato chips and ice cream are very high in fat.

The fat can form a substance called cholesterol (coh-LESS-toe-rawl). It can build up inside blood vessels. This can cause serious heart problems in adults.

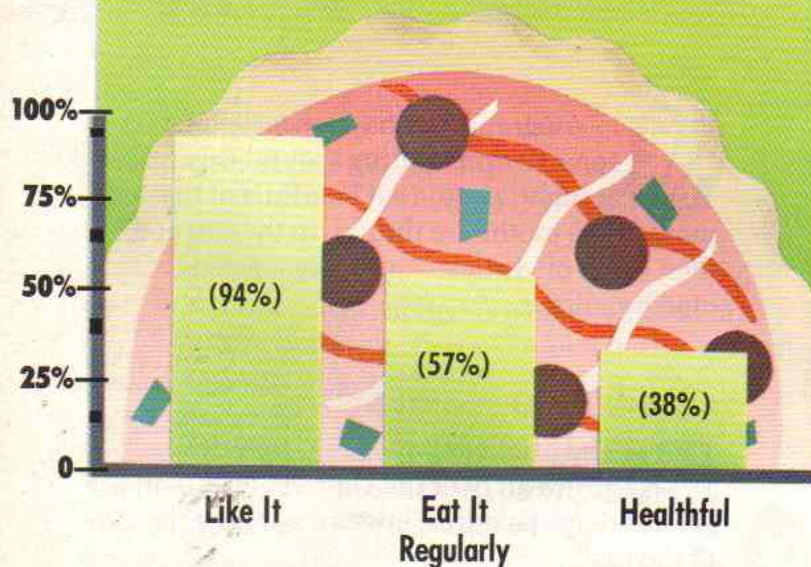
Many scientists say that the time to prevent heart problems is when a person is young. CONTACT learned from the poll that readers have a lot of say in deciding what they eat. So it makes sense to know as much as possible about how your food choices affect your health.

## Pizza Pizzazz

Pizza came out as a big favorite among our readers. Only 39% reported that pizza was a healthful food.

Pizza experts give pizza more of a "thumbs up" than you did. Pizza's not so bad if you stay away from extra cheese, pepperoni and sausage toppings. And don't eat it every day.

### What do you think of pizza?



## FOOD SMARTS

Here are some tips for eating foods that will keep your insides healthy and your outsides looking good:



If you're over six years old, you might drink either skim milk or low-fat milk instead of whole milk.



Decide which vegetables are your favorites. Try to eat more of them. And try some new ones, too.



Eat whole wheat bread instead of white bread. Use raisins and fruit to sweeten cereal. Stay away from pre-sugared cereals.



Look at the ingredients listed on the labels of prepared foods. Remember: The ones listed first are found in the largest amounts. Try to stay away from foods with palm oil, coconut oil and cocoa oil, and foods where sugar is high on the list.



If you're a soda-pop lover, make your own low-sugar kind with club soda and fruit juice.



Talk to the meal planners in your family about healthful foods. And know how foods are cooked. For instance, boil or bake foods instead of frying them. And steam vegetables to keep their vitamins.



Variety is the spice of life. Try to eat a lot of different foods to help balance your diet.



If you're going to be eating away from home, think about taking a sandwich or fruit along rather than relying on fast-food meals.



# INCREDIBLE EDIBLES

## UNUSUAL FOOD FROM AROUND THE WORLD

by Elizabeth Keyishian


**S**ome foods that are a favorite taste treat in one country wouldn't be touched, never mind eaten, by people in other countries.

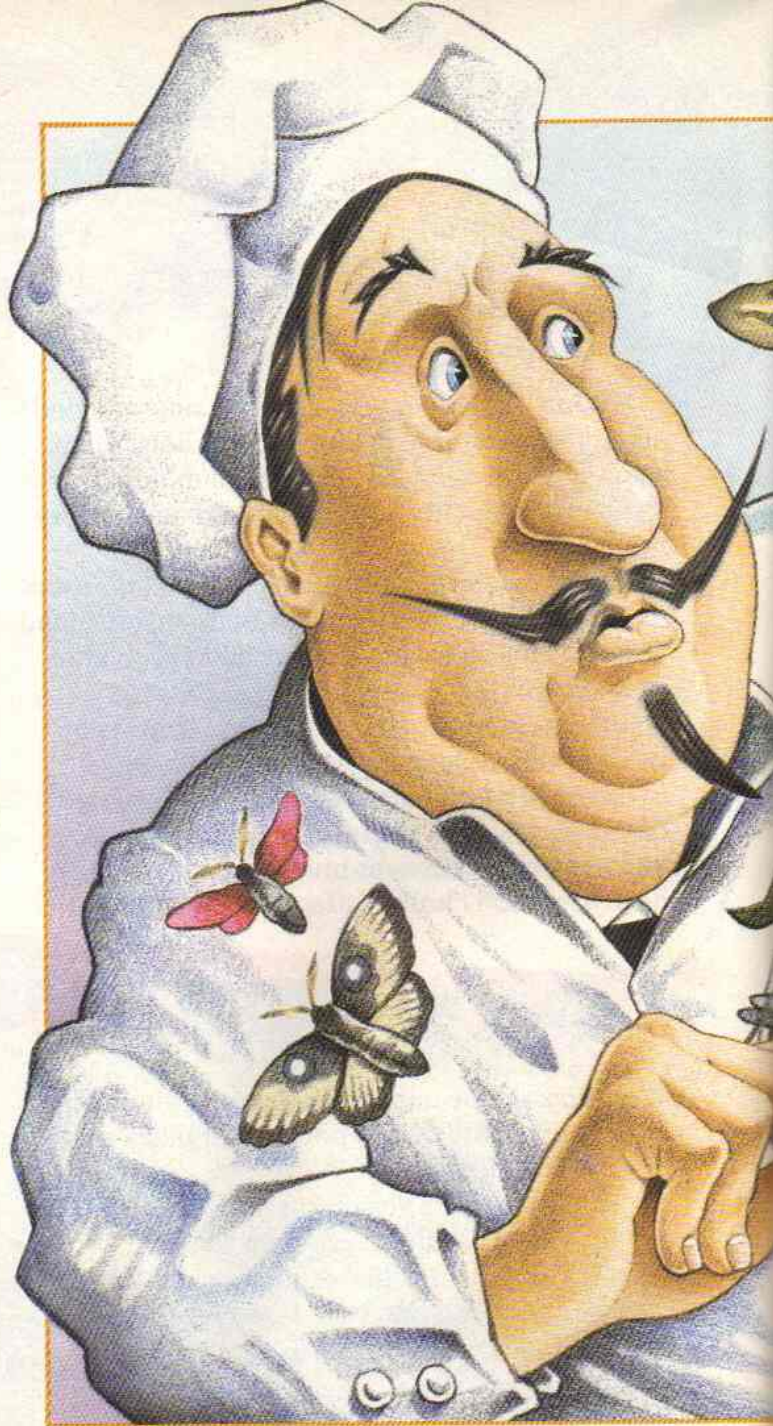
That's because what you think is yummy depends on what you're used to eating. If you had been snacking on slug soup or stewed caterpillars all your life, you probably wouldn't think they were icky.

In fact, caterpillars are full of protein. That doesn't mean it's safe for you to snack on your backyard caterpillars. (They might have just walked through poisonous insecticide.)


But it is safe to read all about them—and other unusual foods—from around the world.

### Caterpillars


 In Africa, the “mopane worm”—or caterpillar—is stewed, canned, fried and eaten fresh...right off the tree. Some people say caterpillars have a nutty flavor. Others say that caterpillars taste like dried beef. Crunchy or chewy, a meal of 20 caterpillars is packed with vitamins.



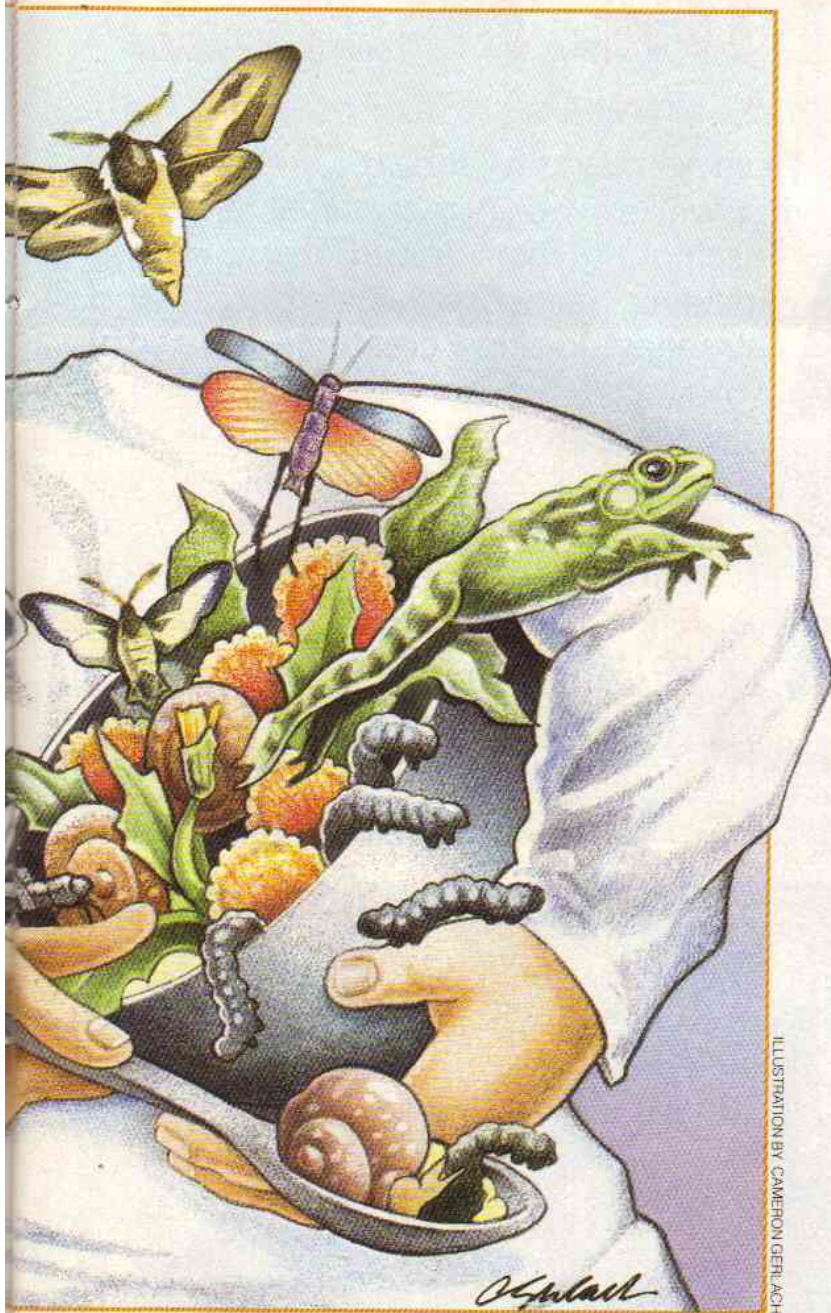
### Moths

 In Australia, moths are a taste treat for some people. Sitting around a campfire at night, people eat handfuls of toasted moths. The moths are thrown in the fire and then eaten off a stick—just like toasted marshmallows.

### Dandelion Flowers

 The bright yellow dandelion flower grows all over the United States—in gardens, pastures, lawns and along the side of the road.





Dandelion-eaters say the flowers taste good boiled or in a fried sandwich.

## Sushi



Sushi is raw fish that is a national dish of Japan. Today, it is very popular in the U.S. It's important that the fish is very clean and fresh.

Sushi chefs are very skilled at cutting and shaping the fish. The small pieces of fish are placed on mounds of rice and flavored with ginger and horseradish.

## Frog Legs and Snails



Frog legs and snails are mostly eaten in France. But they are gaining popularity in the U.S.

Believe it or not, frog legs taste just like chicken. Snails are chewy and taste a little like clams.

Snails are taken out of the shells to be cooked. When they are served, they are placed in pretty serving shells. We promise: Your friends won't think you're—um—"shellfish" if you decide to share the treat.

## Caviar



You might have heard people talk about how much they'd like to dine on champagne and caviar—at least in the movies.

Caviar is most popular in the Soviet Union. It is also eaten all over Europe and in the U.S.

Caviar is actually tiny eggs from the sturgeon—a kind of fish. The eggs taste very salty and very fishy. That's why most people have to develop a taste for them. Remember that black stuff that Tom Hanks tried in the movie *Big*? That was caviar.

## Rattlesnake



Rattlesnake meat is very popular in Texas even though hunting rattlesnake is dangerous.

You can buy rattlesnake meat in many parts of the U.S. But most people outside of Texas eat it so that they can tell everyone that they ate a rattlesnake!

## Bird Nests



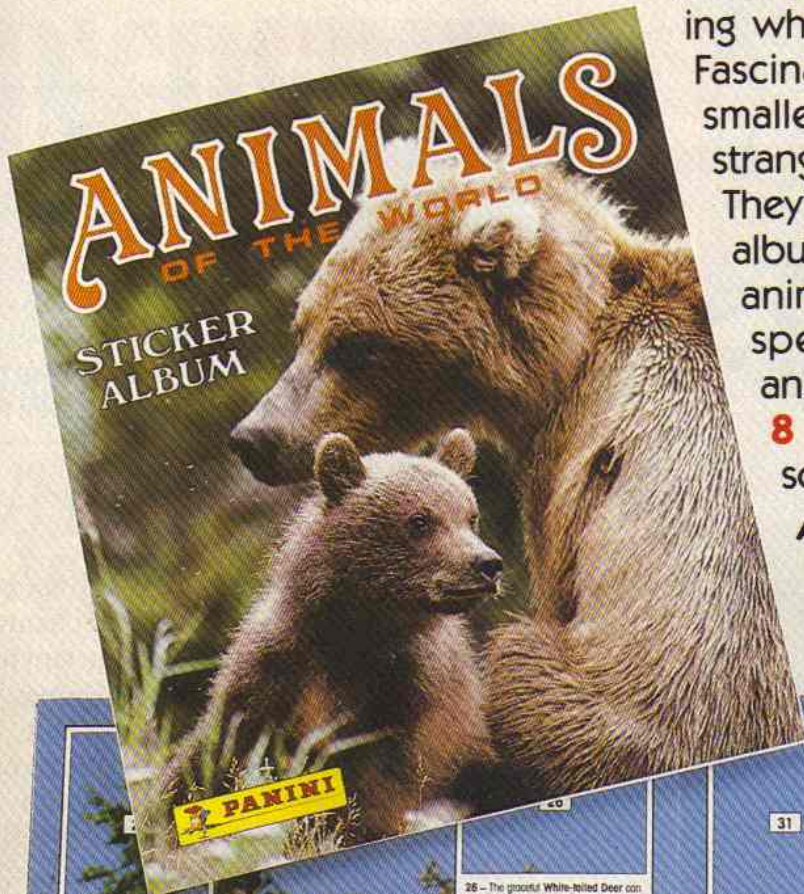
In China, there are many delicacies that might sound strange to people from other countries. Here's a sampling: bear paws, shark fins, monkey brains and bird nests.

Bird nests are not eaten right off the tree. The nest is made into a soup. The nests taste crunchy. What else would you expect?



# ANIMALS of the WORLD

An exciting and brand new Album and Sticker Collection from PANINI.

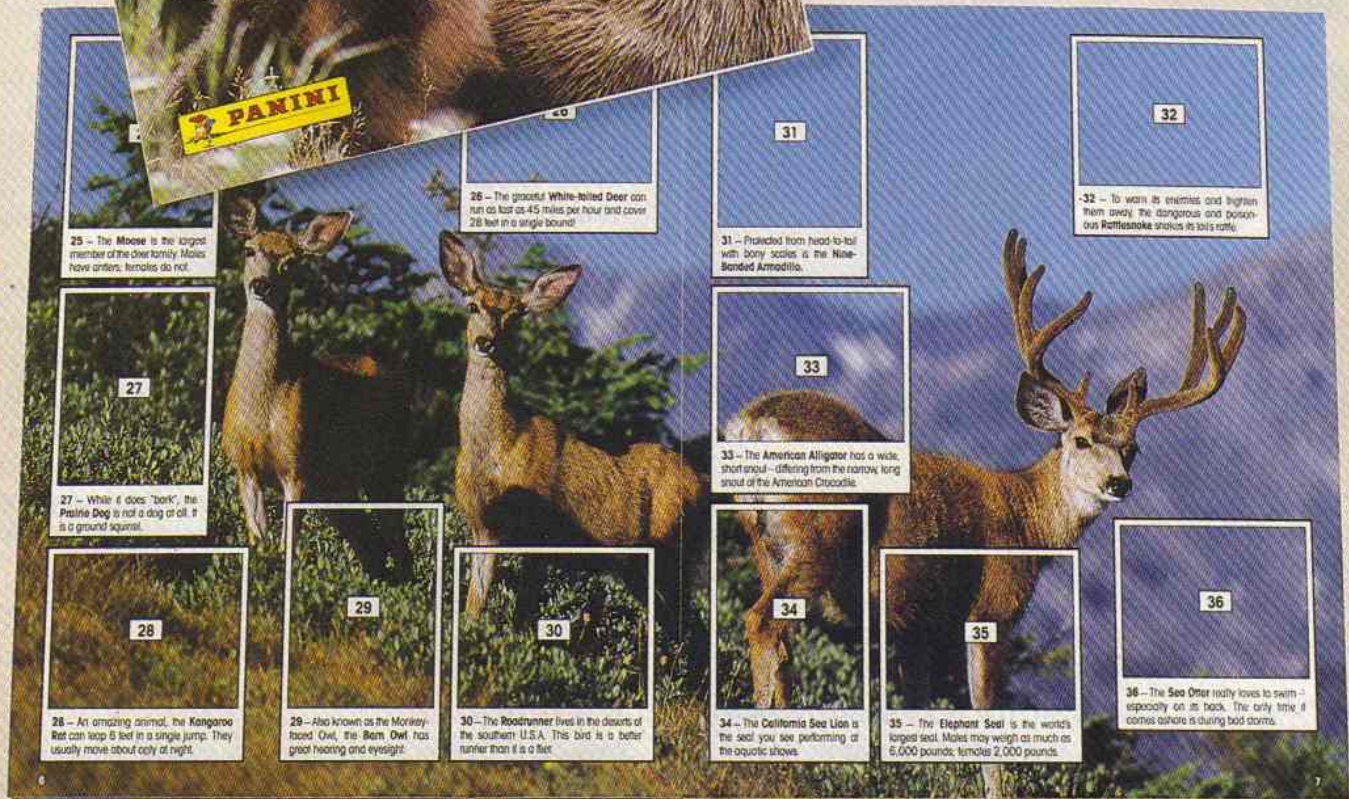


From Aardvarks to Zebras, have fun learning who's who in the animal kingdom. Fascinating facts about many of the smallest, tallest, slowest, fastest and strangest looking creatures on earth! They're all here in a colorful 32-page album featuring 180 different kinds of animals, 192 stickers in all... **plus** a special insert that will test your animal knowledge. We've included **8 free stickers** in this magazine... so start collecting today!

ALBUM 59¢

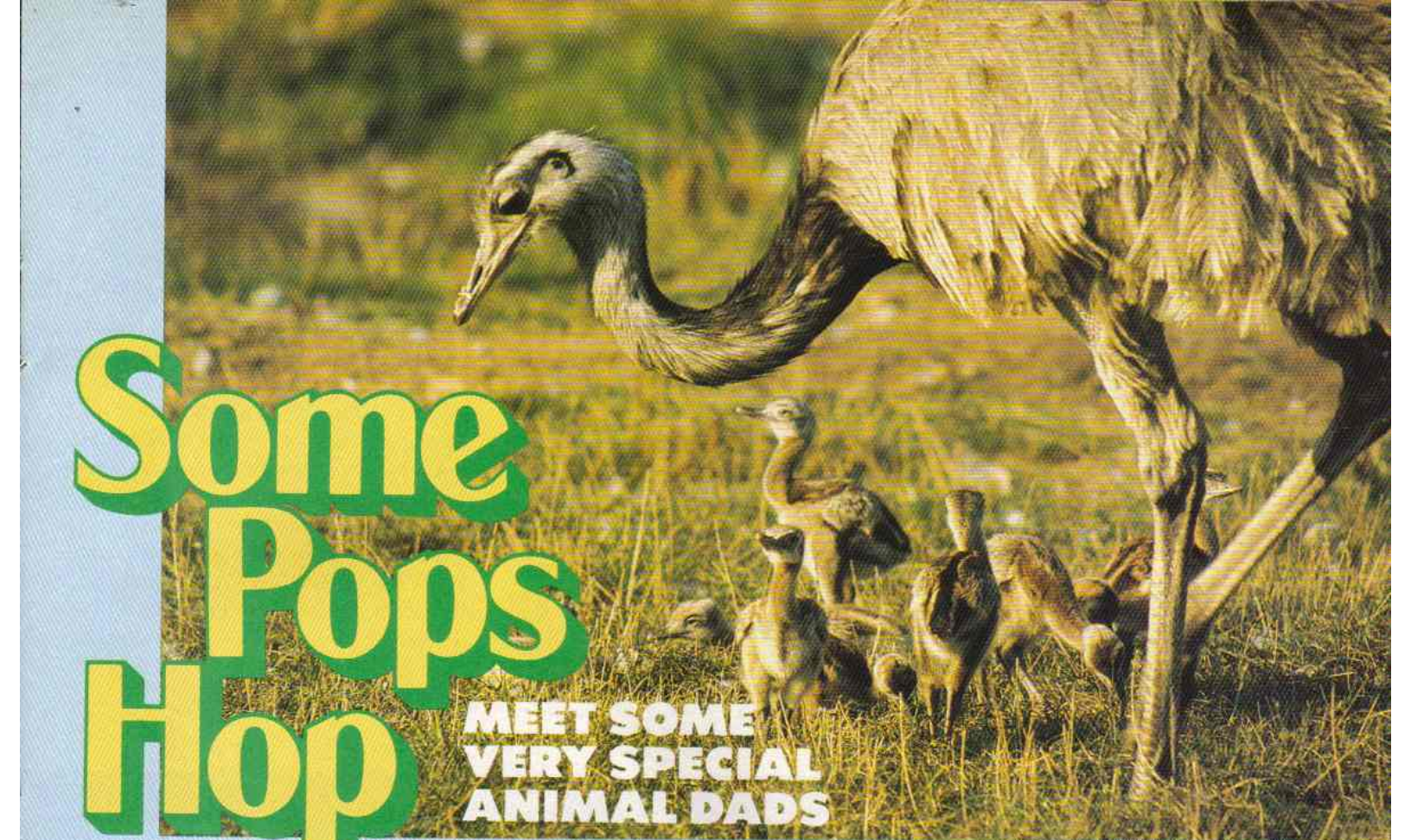
PACKET OF 6 STICKERS 30¢

Albums and Sticker Packets sold separately at your local store.



You need 192 stickers to complete this collection.





# Some Pops Hop

MEET SOME  
VERY SPECIAL  
ANIMAL DADS

by Russell Ginns

PHOTO © JANE BURTON/BRUCE COLEMAN INC

In the animal world, there are many creatures who do very little to help raise their young. For instance, most species of fish swim away long before their eggs have hatched. When animals do take care of their babies, however, it is usually the mother who does all of the feeding and protecting. But this isn't true for every species. In honor of Father's Day on June 18, CONTACT salutes some super animal dads who go all out for their kids.

## Common Rhea

The common rhea (RHEE-ah) is a large South American bird that looks a lot like an ostrich. The male rhea is a super dad who raises his young all by himself. First, he sits on the eggs and hisses loudly if anyone comes near. After the chicks hatch, he leads them around and shows them where they can find food. He'll stay with his kids up to two years, protecting them and keeping them warm.



## Darwin's Frog

Darwin's frogs, found in Chile and Argentina, get special help from their father. Just before they hatch, he scoops the eggs into his mouth. They stay in a special sack next to his throat. Dad gathers bugs and other food that the tadpoles can eat safely inside the father's mouth. After a month or so, the tadpoles have grown arms and legs and are ready to start out on their own. The father opens his mouth wide and his kids leap out.

PHOTO © FODDEN/BRUCE COLEMAN INC





PHOTO © PAUL A. ZAHL/PHOTO RESEARCHERS, INC.

## Seahorse

Many people think that only female animals can have babies—*wrong!* Male seahorses, which live in the oceans of the world, give birth in a way that is similar to females of other species. The mother squirts her eggs into a pouch in the male's stomach. Then she swims away. Over the next four to seven weeks, the baby seahorses grow inside their dad. When they are big enough, the father wraps his tail around a blade of grass or some seaweed for balance. Then he pushes the babies out into the world.

## Three-Spined Stickleback

The male stickleback is a fearless freshwater fish father who can be found in streams all over North America. He builds a nest out of weeds and gets a female stickleback to lay her eggs inside it. After that, he doesn't let anyone near the nest—not even Mom. He uses his tail to keep fresh water flowing around the eggs. Even if a twig floats near the nest, he'll attack it as if the eggs were in danger.



PHOTO © BRUCE COLEMAN INC.





PHOTO © ALAN BLANK / BRUCE COLEMAN INC.

## Marmoset

Marmosets are squirrel-size monkeys that live in South America. As soon as a female marmoset gives birth, it's time for Dad to go to work. It's his job to clean the babies' fur and hold them while they nurse from their mother. For the next month he carries the kids as the marmoset family travels from tree to tree. He picks fruit and chews it until it's soft enough for the babies to eat. When the kids are old enough, Dad has one last important job to do. He teaches them how to climb trees on their own.

## Humans

Many people used to believe that it was only the mother's job to take care of human babies.

But today, many fathers play just as big a part in raising kids.

Many human dads help feed their babies and clean up after them. Fathers can teach their kids how to dress themselves, how to swim, how to read—or anything else that a growing human might need to know. It takes many years for a human to become an adult—longer than any other animal. So humans need an extra amount of help and love and care...  
thanks Dad! 🐼

PHOTO © DENNIS HALLINAN / FIG INTERNATIONAL





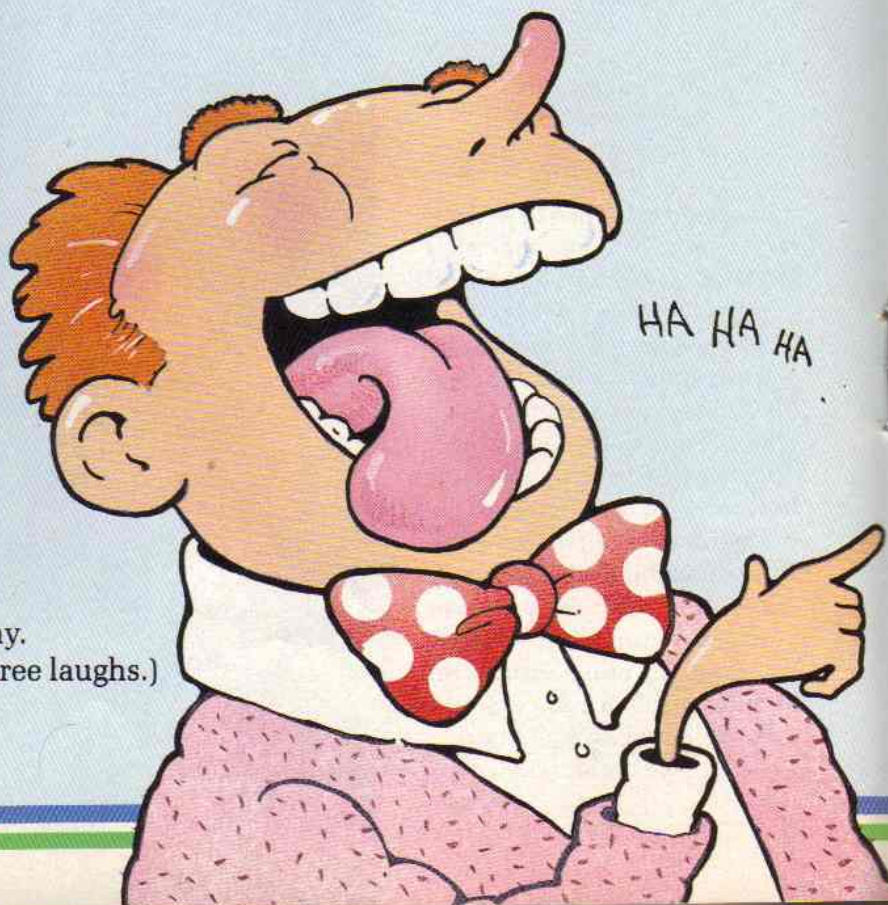
# Factoids

Americans buy more than 2 million pairs of shoes every day.

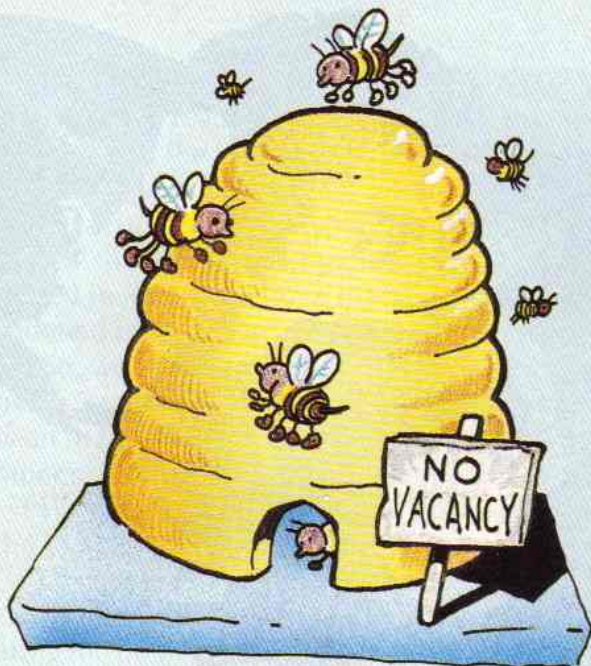


In one year a barn owl catches an average of 200 mice, 400 birds, 100 frogs, 250 worms and 150 snails.

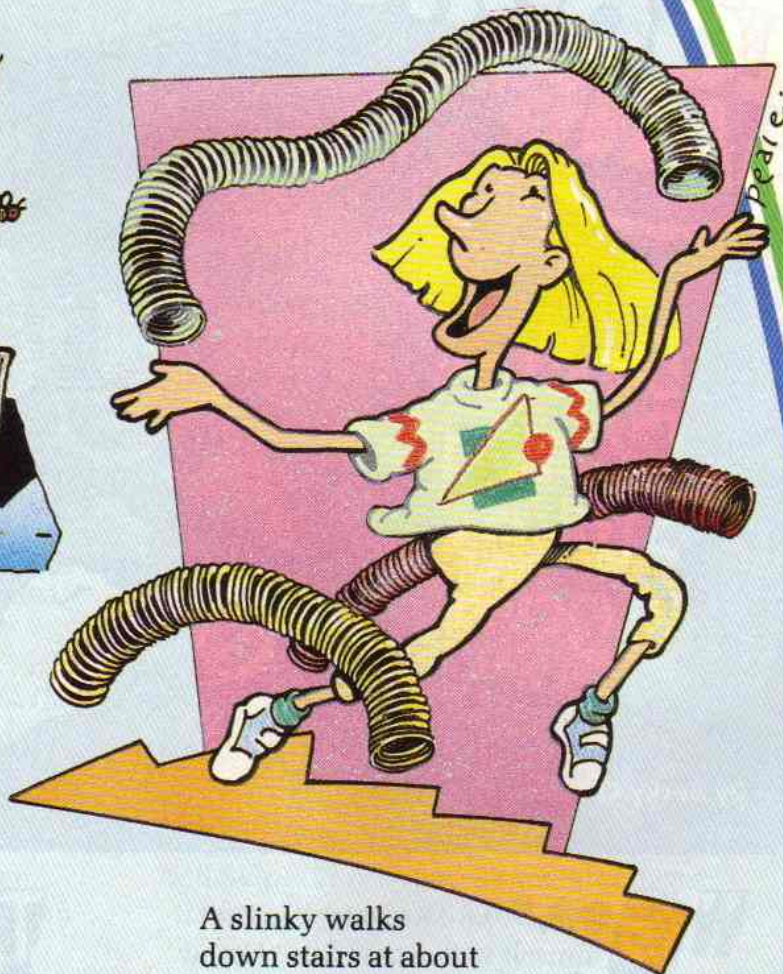
On average, a person laughs 15 times every day.  
("Ha ha ha" counts as three laughs.)





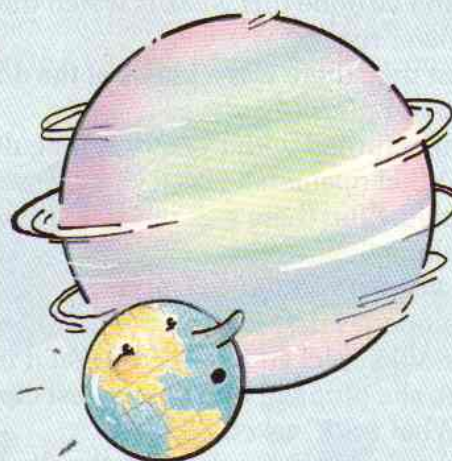
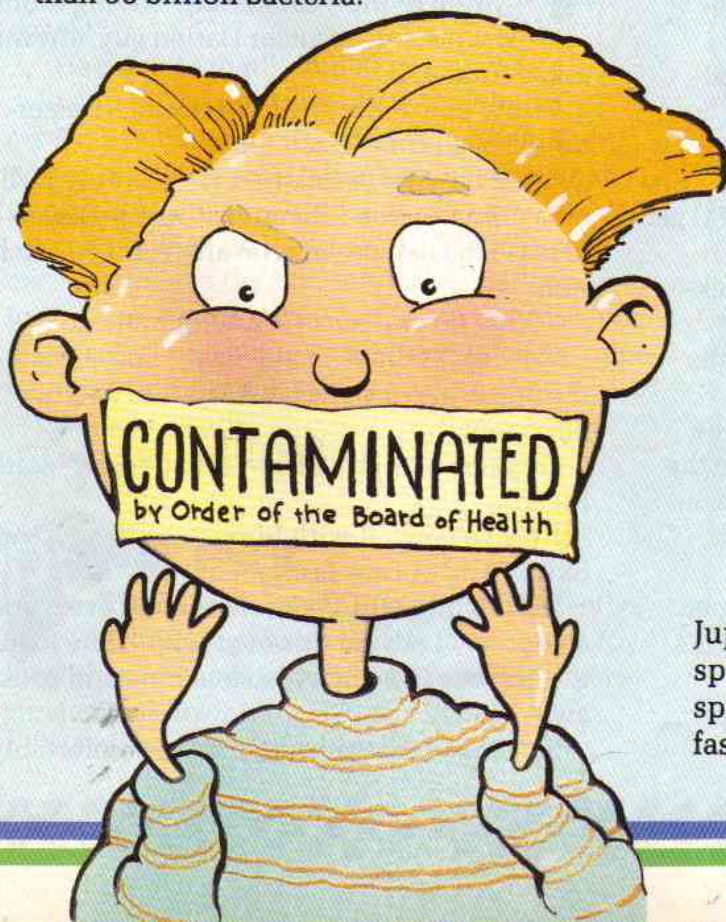


The average beehive has about 50,000 bees.



A slinky walks down stairs at about 0.9 miles per hour.

Your mouth contains more than 50 billion bacteria.



Jupiter is the fastest spinning planet. It spins around its axis 30 times faster than the Earth.



# THE BLOODHOUND GANG

## Doctor Darien Strikes Again

By Becky Cheston



"Gee," said Ricardo, fanning himself with a case file. "I knew detective work was hot stuff—but this is ridiculous."

"I was expecting a crime wave—not a heat wave," said Emma, Skip's visiting cousin. "So far, all I've done this week is watch the thermometer rise."

Just then there was a knock at the door. "I'll get it!" said Emma eagerly.

She returned with a small rectangular package. Vikki opened it. "It's a videocassette," she said. "But there's no return address on the envelope."

"Let's see," said Ricardo. As he grabbed the envelope, a small scrap of paper fluttered to the floor. Vikki picked it up. Staring at it in amazement, she plopped into the nearest chair.

"What is it?" asked Skip.

Silently, Vikki handed him the slip of paper. On it was scribbled an emblem: two capital D's linked together.

"Oh, no!" said Skip in a frightened whisper. "Doctor Darien!"

### The Doctor Is In

Emma and the Gang quickly gathered in front of the VCR in Skip's living room.

"Just who is this Doctor Darien guy, anyway?" asked Emma.

"Only one of the greatest criminal masterminds of all time," said Skip.

"And he's never satisfied with simply pulling off a crime," added Ricardo. "Doctor Darien likes to tease the detectives who are trying to catch him."

"What do you mean?" asked Emma.

"He leaves clues," said Skip, "and turns the crime into a game between him and his opponent."

"A game of high stakes—and danger," said Ricardo.

"We've tangled with him once already," added Skip. "And once was enough."

"All right," said Vikki, motioning everyone to sit down. "Let's get this over with." She loaded the cassette into the video machine and backed away slowly.

The scene that appeared was a comfortably



furnished living room. Outside the window, a thermometer read 95 degrees. On a coffee table lay a copy of the *Farm Gazette*.

A thin man with a mustache and pointed beard sat in an easy chair, stroking a small cocker spaniel that was snoozing in his lap. The camera moved in for a close up of his face, and his mouth widened in an evil grin.

"So, we meet again, my three young opponents," said Doctor Darien. "I'm sorry I haven't been in touch for so long, but I've been busy with other crimes...."

"We didn't exactly miss you," said Ricardo to the VCR.

"Of course you missed me," said Darien. "Now let me tell you about my next crime. It will bring me no personal gain, simply satisfaction."

"What's he going to do?" whispered Emma, afraid that Darien could actually hear her.

"I'll give you a little hint," said Darien. "What's the biggest event of the summer? What silly little carnival delights all the townspeople and brings in the tourists?"

"Oh, no!" Vikki exclaimed. "Not the Summerfest!"

"Yes, my dears," chuckled Doctor Darien. "The Summerfest! Consider what will happen there tonight when I pull the plug."

"A power blackout!" said Ricardo. "It'll be chaos!"

"He can't do that!" said Skip.

Just then, the lights went out and the TV screen went black. No one moved. Then, the power returned, and Darien's face reappeared, grinning.

"I can indeed do it," he said. "There is only one way to save the Summerfest. I challenge you to find me—track me down! If you can discover my whereabouts, then I promise I will surrender to your superior powers of detection. And now—the game begins!"

The screen went black.

## Power Play

The Bloodhound Gang phoned Detective Trowbridge immediately, asking him to meet them at the Summerfest. There, they were greeted by Mayor John Hedge.

"Have you heard?" asked Hedge excitedly,

shaking everyone's hands. "We expect a record turnout for the Summerfest this year. People are coming from all over the state!"

"I'm afraid we've got some bad news, Mayor Hedge," said Vikki, holding up Darien's videocassette. "Is there a VCR around here?"

As soon as he had seen the tape, Detective Trowbridge rushed off to check the local power plant.

"It can't be that simple," said Vikki, rewinding the tape. She pressed "play." "Listen!" she said, as Darien once again delivered his opening remarks.

"Sounds like water running," said Hedge.

"It's the ocean!" said Ricardo. "And isn't that a sea gull?"

"You're right," said Skip. "That narrows it down to the waterfront. But that's a big place."

"Play it again, Skip," said Emma. "I thought I heard something else."

Skip rewound the tape. "Right there!" said Emma. "It's very faint, but it sounds like—"

"Children's voices!" exclaimed Ricardo. "He's near Waterfront Park!"

"And there's only one row of houses near there!" said Skip. "Those summer rental cottages!"

Doctor Darien," said Vikki, "here we come!"

## Getting Cooler

"Wow!" said Skip, enjoying the waterfront breeze. "It must be 10 degrees cooler here."

"There are the cottages," said Ricardo. He pointed to a woman who was sitting on a →





lawn chair. Next to her, a sign read: "Summer Rentals. Vacancy. No Pets."

The young detectives introduced themselves and showed the landlady Doctor Darien's picture.

"No," she said, shaking her head. "I haven't rented to anyone like him. But a strange man who looked like that left this here."

"Another video!" said Skip. "Let me guess—'Darien, Part II.'"

Back at the fairgrounds, crowds were enjoying refreshments and trying out the rides. The opening ceremony was due to begin at dusk.

The Bloodhound Gang rushed to the trailer. "Let's see what Darien has to say this time," said Skip as he inserted the new video.

The scene was the same. The message, however, was shorter.

"So, my young friends," said Darien with a chuckle. "How are you enjoying our little game? You did precisely as I expected. But let me leave you with one final warning—and a wee bit of criticism: Your reasoning was not sound."

On that remark, the screen faded to black.

All of a sudden there was a loud commotion on the fairgrounds. The Bloodhound Gang raced outside, where they found Detective Trowbridge.

"No sign of him at the power plant," he said.

"And one of the rides just went out."

"Vikki?" asked Emma. "What did Darien mean when he said our reasoning wasn't sound?"

"That's it!" said Vikki. "Sound! I should have realized it the minute we saw the 'No Pets' sign at those cottages."

"He couldn't have been there!" said Emma. "In the video, Darien had a dog in his lap."

"I remember something too," said Skip. "It's always cooler down at the waterfront. But the thermometer in Darien's window read 95 degrees."

"What about that newspaper on Darien's coffee table?" said Emma.

Skip replayed the video, pressing the pause button when the paper came into view. "The Farm Gazette," he said. "Definitely not seaside reading material."

"But I'll bet they read it up at Stevenson's Stables," said Vikki. "Look what he's wearing!"

"Riding boots," exclaimed Ricardo.

## Darien Escapes

"The place looks deserted," said Skip as the Bloodhound Gang and Emma bicycled towards Stevenson's Stables.

"Look!" Vikki was pointing at the nearby power lines. A thick cable ran from the lines to a white van. The name on the van was D.D. Electronics.

"D.D.!" Ricardo sang out, dropping his bicycle



and breaking into a run. The van started to move.

"Don't let him get away," shouted Skip, but it was too late. The van sped up and was gone.

Out of breath from the chase, the Gang headed back to the stables. Inside, in a back room, they found the "living room" from Darien's videos. There was also a VCR and tape. Vikki loaded the tape and Darien's face filled the screen.


"Congratulations, my dears," said Darien. "I see my seaside sound effects didn't delay you for long. I congratulate you on a splendid chase!"

"But what about Summerfest?" said Emma.

"I was hoping you'd never find this video. But since you have, I shall keep my promise," Darien continued. "Your precious Summerfest will go on—uninterrupted. As for myself, I bid you goodbye—until next time!"

"Doctor Darien is clever!" said Emma. "He must have dubbed in those sound effects to throw us off the track."

"And he escaped—once again," said Vikki. "I wanted to see Doctor Darien behind bars!"

"Not me," joked Ricardo. "I think I'll wait till it comes out on video." 



**Special**

**SQUARE  
ONE**

**Section**

*Television*

**BORN TO BE WILD—A SALUTE TO ROCK N' ROLL**

## **FIND THE LIVE WIRE!**

The Boss is plugged in but only one wire is live. Find the one continuous path from guitar to amp!

Answer on the Did It! page.

ART BY AL WING  
PHOTO: AARON HARRINGTON



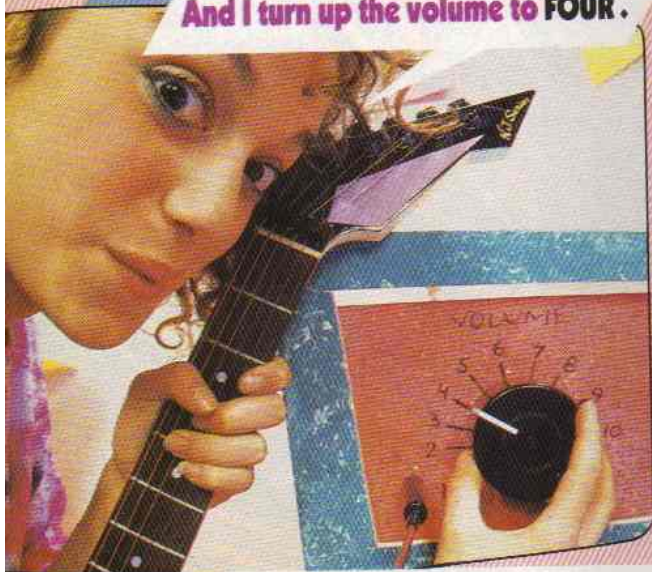
Music videos show people singing everywhere. But how do other people feel about all that NOISE?! To find out, watch what happens in...

# SHE'S SO LOUD!

## A ROCK VIDEO PUZZLE

by Russell Ginn

**1** I'm ready to rock,  
So I plug in my guitar  
And I turn up the volume to **FOUR**.

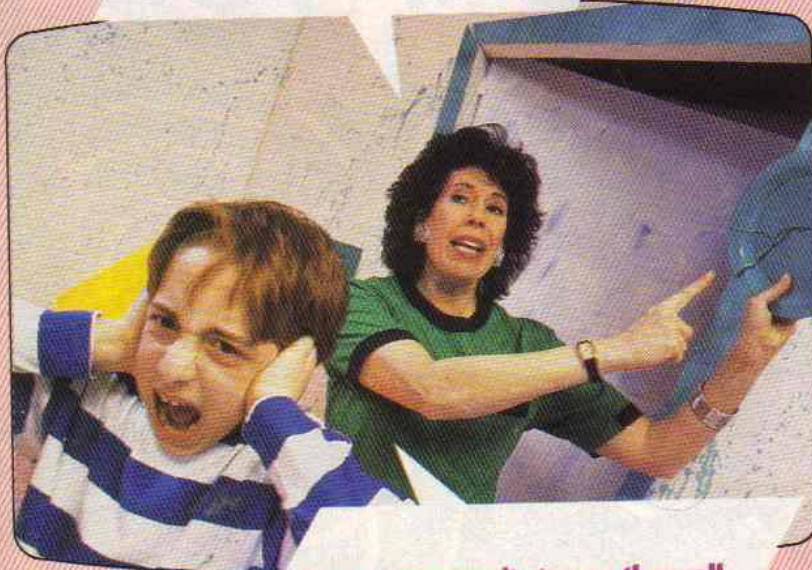


**2** My dad yells "Turn it down!"  
So I make it **HALF** as loud.  
(But then I raise it **SIX** levels more.)



PHOTOGRAPH BY NICK KOUJIS

**3** The whole house is shaking,  
My dishes are breaking.



My posters won't stay on the wall.

**4** I'm trying to practice  
My music next door.  
Can't hear myself playing at all!





5

She's so loud!  
Yeah, she's so loud!  
She sounds like a big thunder cloud!

We just can't take it!  
Oh why does she make it—  
So loud?



6

I wait for a while,  
Then I turn up the dial  
I increase the volume by **TWO**.

7

It's the game warden—  
You've just caused a stampede  
Of the animals down at the zoo!



8

Our ears just can't take it.  
Oh, why does she make it—  
So loud?



**Puzzle:** Can you  
figure out how high  
the volume is at the  
end of the song?

For the answer,  
tune in to the  
Did It! page.



HELP GEORGE & KATE  
SOLVE THIS MONTH'S-

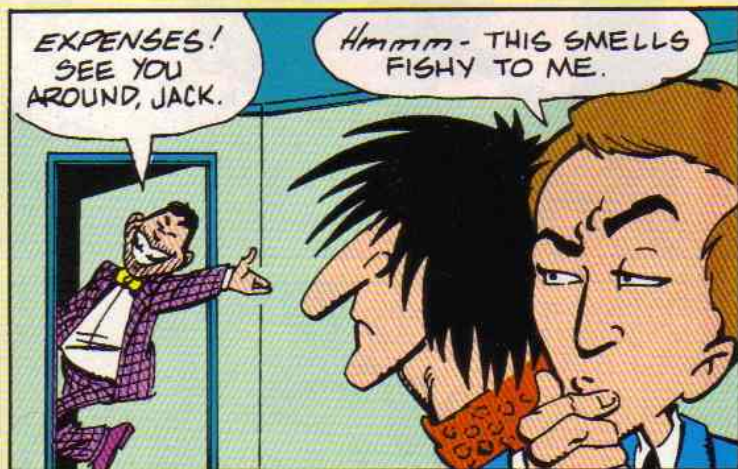
# MATHNET PUZZLE

STORY: ELIZABETH KEYISHIAN ART: KEITH S. WILSON

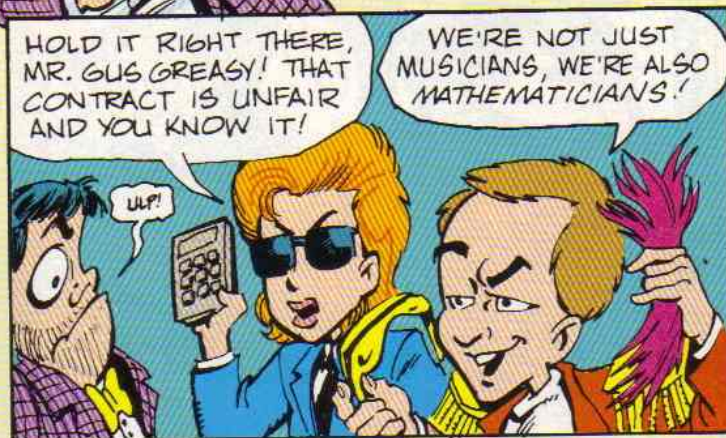
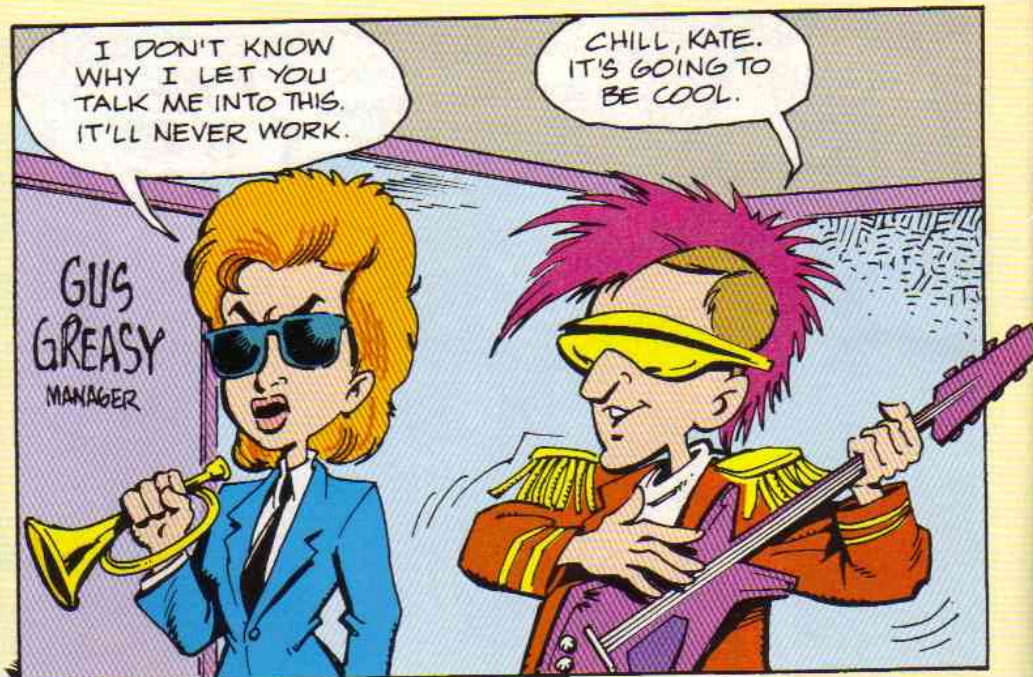
"I'M KATE MONDAY. ON FRIDAY NIGHT,  
MY PARTNER GEORGE FRANKLY AND  
I WERE ON PATROL IN DOWNTOWN  
HOLLYWOOD WHEN..."











**WHAT'S WRONG WITH GUS'S CONTRACT?**  
HOW MUCH OF THE PROFITS GO TO THE MUSICIANS?

ANSWER ON THE **DID IT!** PAGE!



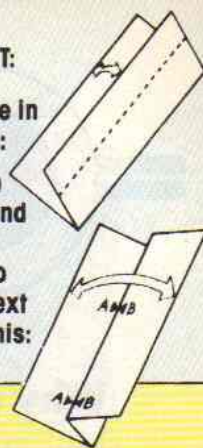
How many  
of Professor  
Henpick's  
students will  
become famous?  
Fold in and find out!

Don't turn the page! It's another...

# SQUARE ONE FOLD-IN

HOW TO FOLD IT:

- 1) Fold the page in half like this:
- 2) Grab the top left corner and fold back in half again so that "A" is next to "B" like this:

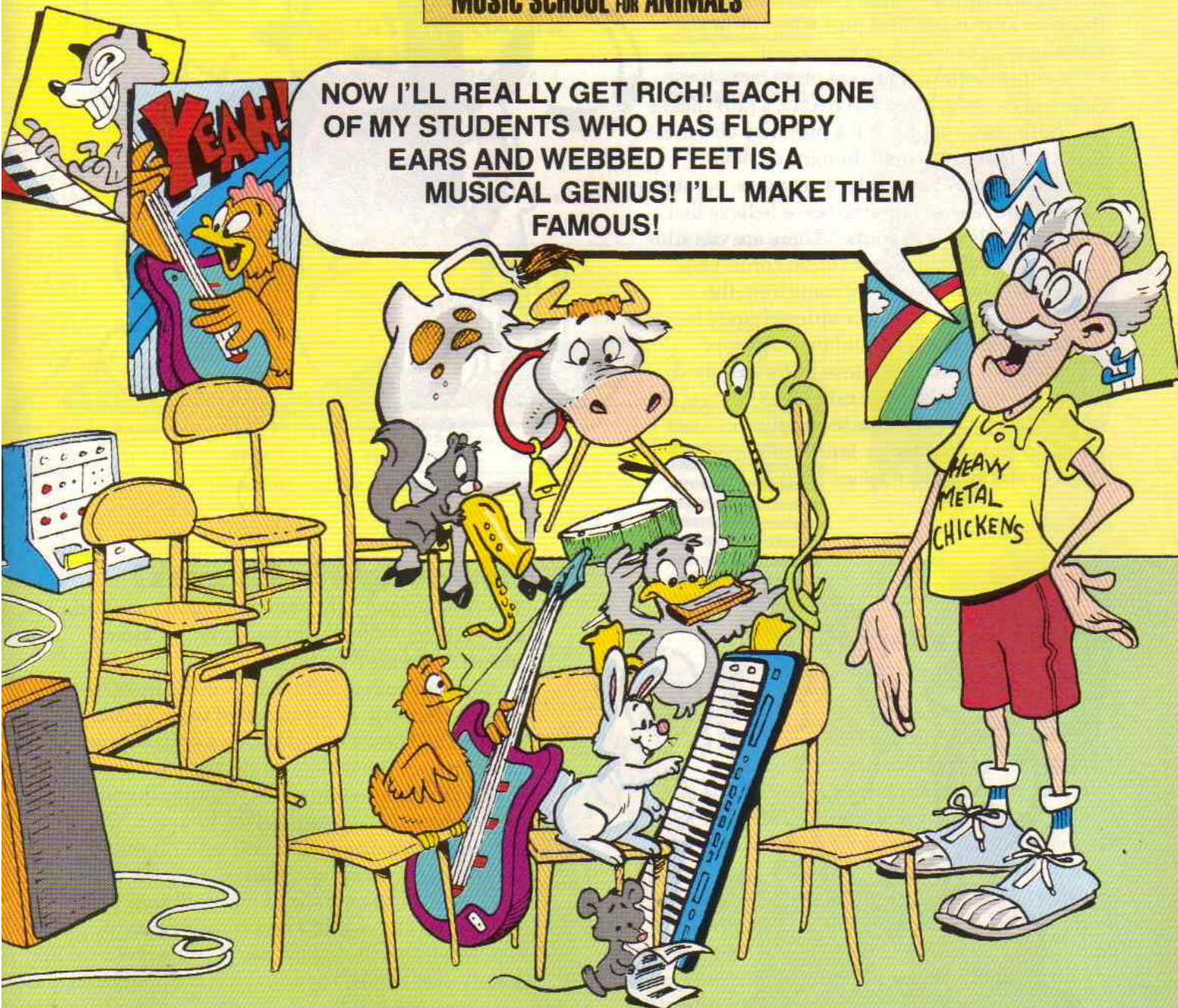


A ▶

**PROF. MARTY HENPICKLE'S  
MUSIC SCHOOL FOR ANIMALS**

◀ B

NOW I'LL REALLY GET RICH! EACH ONE  
OF MY STUDENTS WHO HAS FLOPPY  
EARS AND WEBBED FEET IS A  
MUSICAL GENIUS! I'LL MAKE THEM  
FAMOUS!



YOUR DOG, CAT, TARANTULA,  
ZEBRA OR WALRUS CAN PLAY LIKE A PRO  
AND FOR GIRAFFES OR OTHER  
TALL BEASTS, WE HAVE A SPECIAL TENT  
WITH A 17 FOOT CEILING!

A ▶

◀ B



# Any Questions?

## Why do cats purr?

Maybe you've noticed that when you rub your cat's ears, he or she makes a soft purring sound. But your kitty might also purr when he or she sees the neighbor's dog in your yard!

Scientists believe that a cat purrs for many different reasons. Most of the time, a purr means that he or she is happy. But a purr may also mean that a cat is angry, scared, hungry, or sick.

Scientists may know why a cat purrs, but they are not sure how a cat purrs. Some believe that cats have "false vocal cords." These are vibrating tissues found above the real vocal cords. Other scientists believe that purrs come from the "hyoid apparatus." That's a series of small bones found between the skull and the voice box.

Still other scientists believe purrs are heard when blood vessels in the cat's chest vibrate! No matter how a cat purrs, the sound they make is just *purr*fect.—Written by Jane Rosenberg  
Question sent in by Joey Giadone, Hartford, Ct.

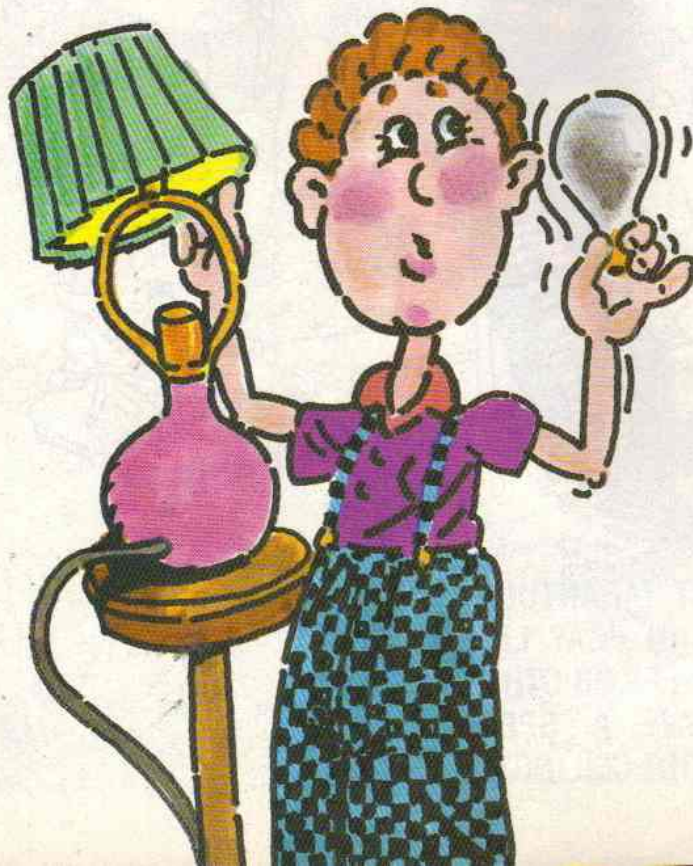


## How do light bulbs work?

The pear-shaped light bulbs we put in lamps are called incandescent light bulbs. Incandescent means "glowing with heat."

An incandescent light bulb is made up of three parts: a filament, or a thin coil of wire, a glass bulb, and a base. The base screws into the lamp and connects the bulb to an electric circuit. When you turn a lamp on, an electric current passes through the base into the filament. The filament heats up and gives off light. The bulb keeps oxygen away from the filament.

The bulb also may contain special gases such as nitrogen and argon. These help keep the filament from burning up. But the filament slowly evaporates. You can tell that a filament is evaporating when the inside of the light bulb begins to turn black. After about 1,000 hours, the bulb will burn out. You can shake a burned out light bulb and hear the broken filament rattling inside!—Written by Jane Rosenberg  
Question sent in by Andrea Schul, Houston, TX.





Do you have a question that no one seems able to answer? Why not ask us? Send your question, along with your name, address, and age, to:

Any Questions?  
3-2-1 CONTACT  
P.O. Box 40  
Vernon, NJ 07462

## Do all birds live in trees?

There are more than eight thousand different types of birds in the world and many of them never set foot (or claw) in a tree. Where a bird builds its nest depends partly on where it lives and partly on what kind of bird it is.

Seabirds usually build their nests high up on rocky cliffs along the water's edge. Some, like the Kittiwakes, use seaweed, mud and grass to form a nest. Others, like the Guillemots, lay their eggs right on the hard rock ledges.

Penguins live by the sea but they cannot fly, so they don't nest in high cliffs. Instead, some lay their eggs on clumps of grass among low rocks or, like the Antarctic penguins—right on the ice! The huge ostrich would have a tough time finding a tree big enough to hold it. It lays eggs in a nest that is firmly on the ground.

Where else do birds live? In open meadows, in rusty cans, on sandy beaches, in barns, in chimneys, on window sills and city terraces, among reeds, in marshes, underground and, of course, in birdhouses. — Written by Lisa de Mauro  
Question sent in by Layne Streeter, Columbia, SC.

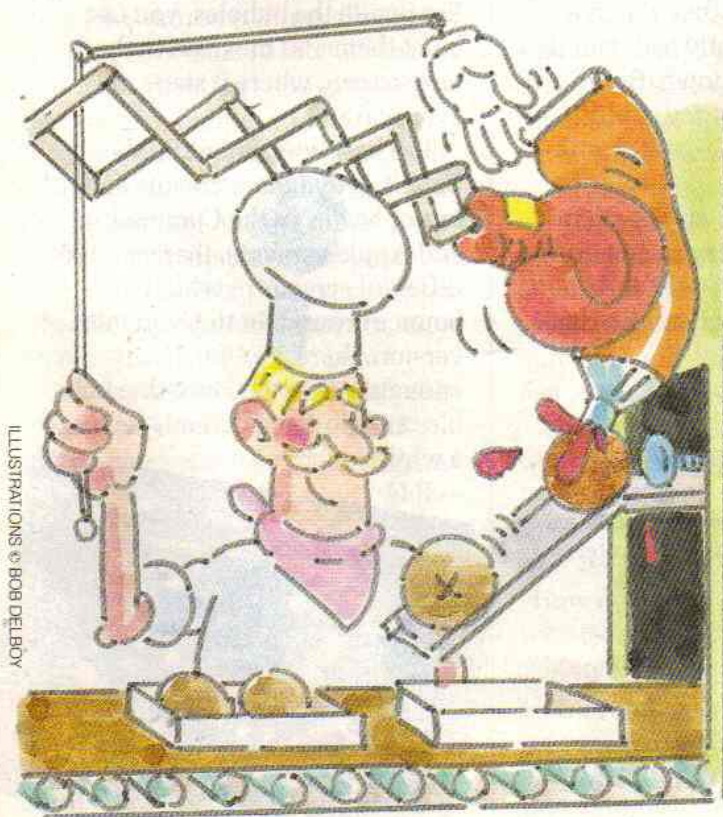


## How does the jelly get inside a jelly donut?

Imagine you have a full box of juice with a straw coming out of the top. If you squeeze the box, the juice will come out through the straw. To fill a donut with jelly, donut makers use a special tool that works the same way.

The bowl part of the tool is filled with jelly. It has a hollow tube coming out of it. A plate attached to a lever pushes down on the jelly and forces it up through the tube and into the donut. So presto! A jelly donut is born.

The next time you buy a jelly donut, look before you bite. Along the edge of the donut, you will find the hole where the jelly tube was. And that's how the jelly got into the donut. Now we're waiting for a jelly donut with a hole in the middle. — Written by Lisa de Mauro  
Question sent in by Angie DeStefanis, Glendale, WI.





# Reviews

## Book

### Where Did You Get Those Eyes?

By Kay Cooper  
Walker and Company  
New York, \$13.95

Have you ever wondered where you got those eyes, that nose, or those curls?

Kay Cooper's step-by-step manual will show you how to research your family history—for clues to your own appearance and personality!

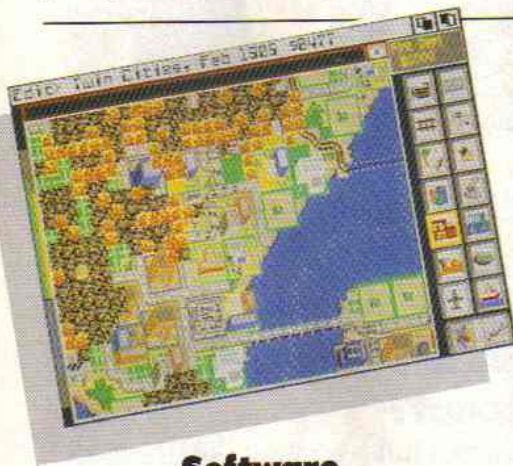
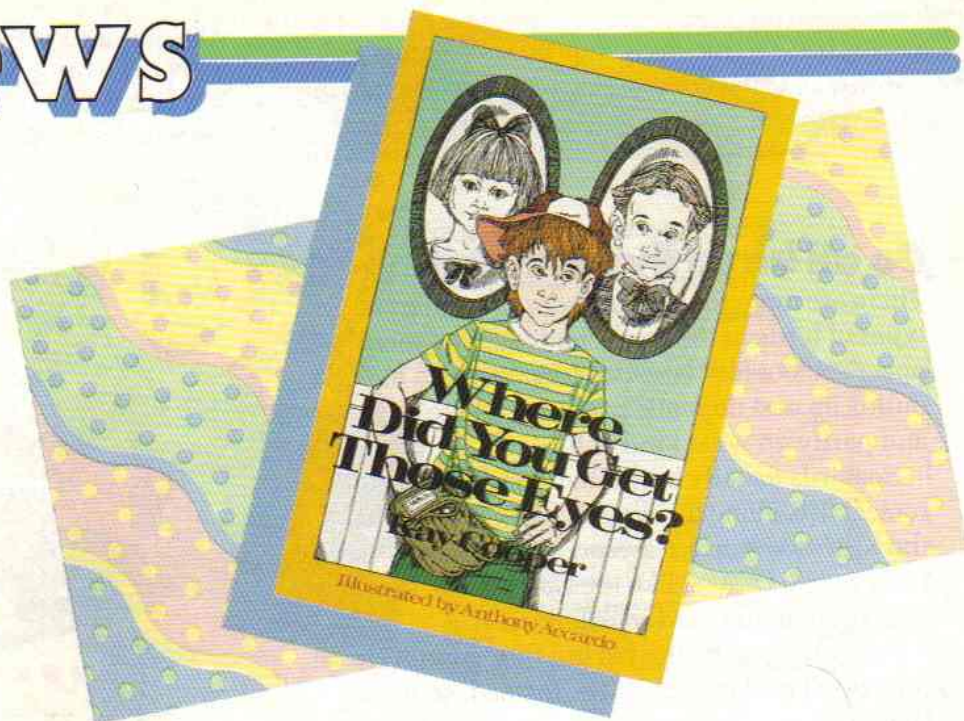
"Get ready for some surprises," says the author. You may find that your grandfather loved playing

music—like you. Or that your great grandmother had flaming red hair—like yours!

If you're interested in finding

your own "roots" and you enjoy solving family mysteries, this is the book for you.

—Elizabeth Keyishian



## Software

### Sim City

For Macintosh, Commodore 64/128  
and Amiga computers  
Maxis Software, \$29.95—\$49.95

This terrific program is for anyone interested in the way that cities grow. With Sim City (that stands for "simulated city,") you can plan your own town and watch it change from a tiny village to a giant metropolis.

As mayor, you decide where to build houses, parks, factories and

office buildings. You can also set up roads and bridges—and even football stadiums. If the Sims (simulated people) don't like conditions in your city, such as pollution or crime, they'll move out. If things get really bad, you'll be left with a ghost town. But if you plan well, your city could grow into a booming capital with millions of people.

You might want a grown-up to help you learn to play at first. But once you get started, we think you'll have hours of fun with this fascinating game.

—Russell Ginns

### Bubble Bobble

For IBM, Commodore 64/128,  
Apple II and Amiga computers  
and Nintendo systems  
Taito, \$34.95—\$39.95

When you play this silly action game, you've got to save Bob and Bub (two dinosaurs) from being eaten. Boris, Baron von Blubba

and bunches of bullies are after you, and they're very hungry. As they chase you around the screen, your only defense is your ability to blow bubbles. If you trap the bullies inside the bubbles, you can burst them and move on to the next screen, where it starts all over again.

The best thing about Bubble Bobble is that there are lots and lots of levels. In the Commodore and Apple versions, there are 100 different screens in which to bounce around. In the Nintendo version, there are 198! That's enough to keep you bursting bubbles and dodging demons for quite a while.

—R.G.





# The Slipped Disk Show



ILLUSTRATION BY CAMERON EAGLE

Howdy, hackers! Welcome back to the Slipped Disk Show. I'm Slipped Disk, the world-famous floppy disk jockey, computer expert and dishwasher. Not only can I answer all your computer questions, but I won't leave spots on your china.

And speaking of world-famous, my dog, Floppy, isn't happy being the world's only canine computer expert. Now he wants to be the first dog ever to compete in the Olympics. He's started training already for the games in 1992. I keep telling him that three years isn't enough time to become an Olympic athlete, but Floppy says that's only if you count in human years. He figures he has 21 dog years to get himself ready to win.

Well, no matter how you count, it's time to answer the first question. This one is from **Joel Janowitz**, 12, of Irvine, CA. Joel wants to know:

## "What is a double-density disk?"

Joel, I know Floppy knows the answer to this question, but he's out of breath right now from running the high hurdles. He's getting much faster, but whenever I tell him you're supposed to go over the hurdles, not under them, all he does is growl.

Anyway, I hope you don't growl when I tell you that sometime after the floppy disk was invented, some-

one figured out a way to record a lot more information in the same space. The old disks are now called single-density disks and the new ones are called double-density.

All new computers use double-density disks, and most use double-sided, double-density disks. A double-sided disk is exactly what it sounds like—information can be stored on both sides. But you need a special disk drive to use a double-sided disk, one that can read both sides of the disk at the same time. It's sort of like a record player that can play both sides of a record without turning it over.

And speaking of records, Floppy says he's going to break the record in the pole vault when he goes to the Olympics. I have to admit he's catching on to the sport pretty quickly. I only wish he would practice outside and not in the house.

And here's a question that was written in the living room of **Marea Lemos**, 10, of Oregon City, Oregon. Marea asks:

## "How do they make game disks?"

Marea, Floppy knows all about game disks. In fact, he's outside right now, throwing one around. I just hope they let him use his teeth in the Olympics. Anyway, you mean

computer disks, not a discus.

Game disks (and any software disks you buy in the store) are all made from the same material—a thin sheet of vinyl with a coating of magnetic particles. Disks are all recorded in basically the same way. Something called a read/write head passes over the disk, sort of the way a phonograph needle passes over a record. But the read/write head doesn't actually touch the disk. Inside the head is a small magnet that gives that spot on the disk a positive or negative charge.

Software disks are recorded this way and so are the disks you use in your disk drive at home to save your own BASIC programs, or your letters to your favorite world-famous floppy disk jockey.

Well, that's all the time we have for this month's show. I've got to take Floppy down to the pool so he can practice his swimming. I wonder, do they give an Olympic medal for the dog paddle? If you know the answer, or you want to ask me a question, just write to:

**The Slipped Disk Show**  
3-2-1 CONTACT Magazine  
1 Lincoln Plaza,  
New York, NY 10023

Slipped Disk's favorite Olympic event is synchronized pizza eating.



# Basic Training

## Refrigerator Robot

There's nothing like doing a little computer programming to help you work up an appetite. So before you sit down to this month's Basic Training, maybe you should get yourself a little snack. But wait a minute! Better be careful about what you choose to munch on. This month's program is about being picky about what you eat.

In this game, you are a refrigerator robot, assigned to guard the refrigerator of John I. Eetumudge. Your job is to help Mr. Eetumudge lower his cholesterol level by keeping him away from fatty foods.

Every time he opens his refrigerator door, your electronic sensors go off. You'll see the name of the food start to slide across the screen. If you think the edible goody is good for Mr. Eetumudge, let him carry it away. But if you think it's high in cholesterol, then hit any key on the keyboard. Remember, you have to let him take the good foods, otherwise he won't be able to eat anything. If Eetumudge's cholesterol level gets below 180, you win. If it goes above 250, you lose. That ought to give you something to chew on for a while.

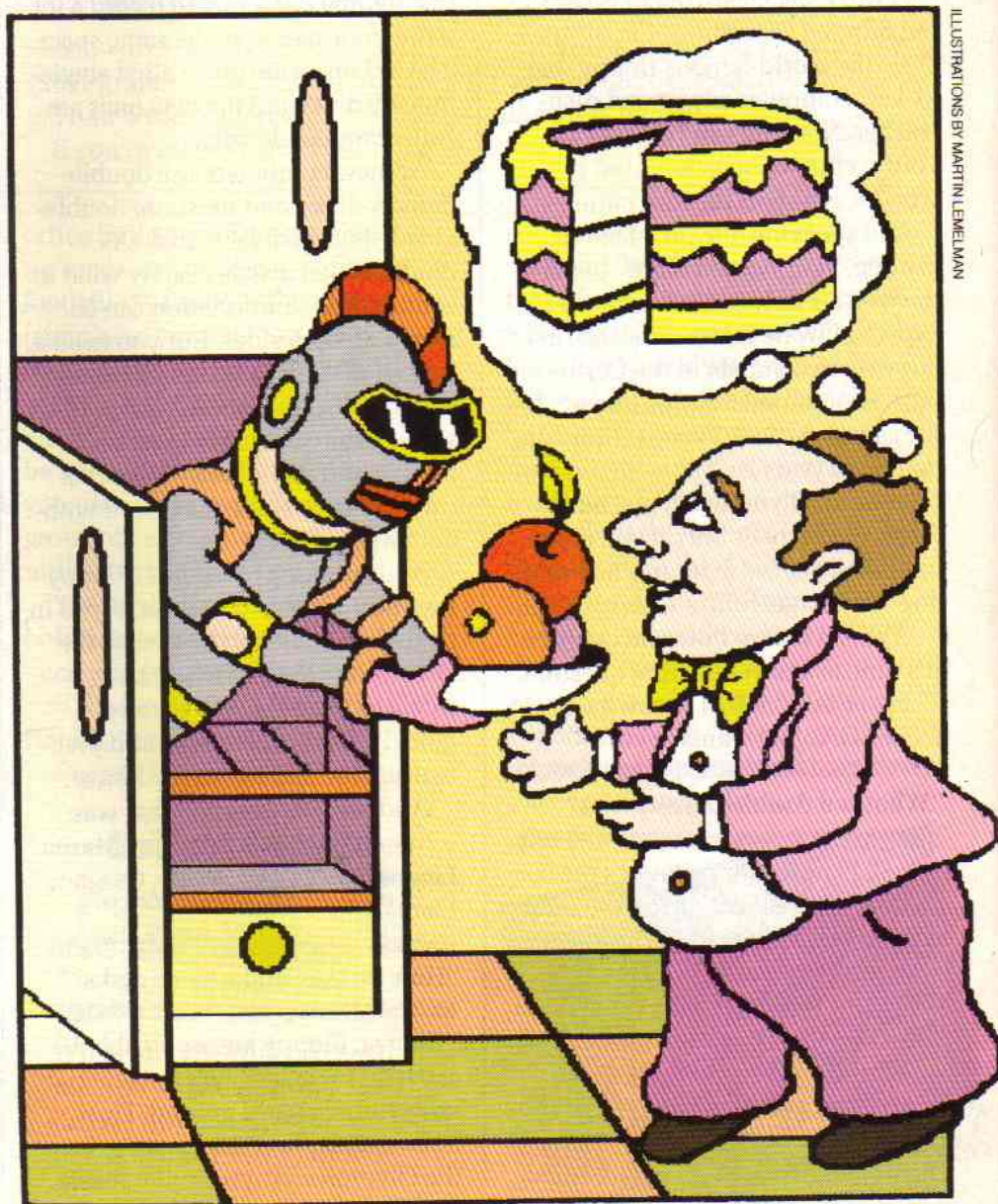
The program is for Apple II computers. To adapt it to other computers, follow the instructions after the program.

### Apple II

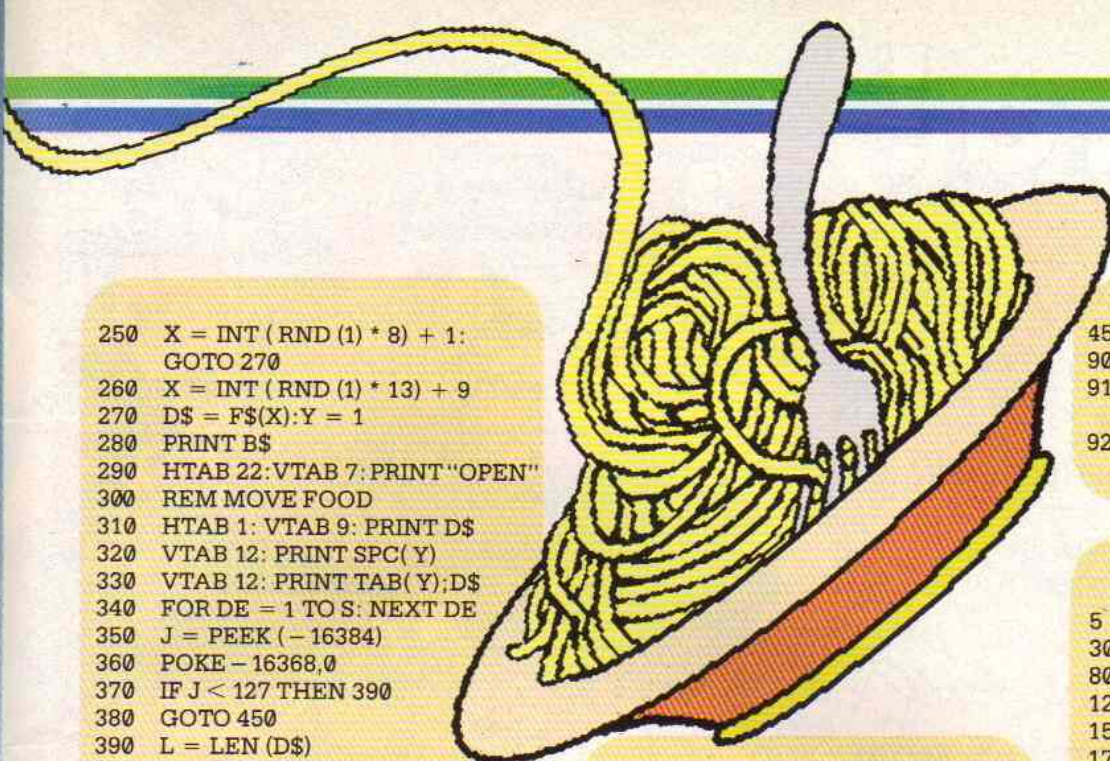
```
10 REM REFRIGERATOR ROBOT
20 DIM F$(30)
30 B$ = CHR$(7)
40 FOR X = 1 TO 21
50 READ A$:F$(X) = A$
60 NEXT X
70 S = 100:W = 850:N = 100:CL
   = 230
```

```
80 HOME
90 PRINT "REFRIGERATOR
  ROBOT"
100 PRINT "STATUS REPORT:"
110 REM DOOR LOOP
120 HTAB 1:VTAB 3
130 PRINT "SUBJECT
  CHOLESTEROL LEVEL: ";CL
140 PRINT "NUTRITION LEVEL:
  ";N;" "
150 VTAB 7
160 PRINT "REFRIGERATOR
  DOOR IS"
```

```
170 HTAB 22:VTAB 7:PRINT
  "CLOSED"
180 PRINT:PRINT SPC(39)
190 IF CL > 250 THEN HTAB 1:
  VTAB 12:GOTO 530
200 IF N < 70 THEN HTAB 1:
  VTAB 12:GOTO 560
210 IF CL < 180 THEN HTAB 1:
  VTAB 12:GOTO 610
220 FOR DE = 1 TO W:NEXT DE
230 X = INT(RND(1)*2) + 1
240 IF X = 2 THEN 260
```







```

250 X = INT ( RND (1) * 8) + 1:
    GOTO 270
260 X = INT ( RND (1) * 13) + 9
270 D$ = F$(X):Y = 1
280 PRINT B$
290 HTAB 22:VTAB 7:PRINT "OPEN"
300 REM MOVE FOOD
310 HTAB 1:VTAB 9:PRINT D$
320 VTAB 12:PRINT SPC(Y)
330 VTAB 12:PRINT TAB(Y);D$
340 FOR DE = 1 TO S: NEXT DE
350 J = PEEK (- 16384)
360 POKE - 16368,0
370 IF J < 127 THEN 390
380 GOTO 450
390 L = LEN(D$)
400 Y = Y + 1
410 IF Y + L < 40 THEN 320
420 L = L - 1: IF L = 0 THEN 450
430 D$ = LEFT$(D$,L)
440 GOTO 320
450 VTAB 12:PRINT TAB(Y);
    SPC(L + 1)
460 IF Y < 39 THEN 490
470 IF X > 8 THEN N = N + 10:
    GOTO 490
480 CL = CL + 15
490 N = N - 5:CL = CL - 2
500 W = W - 30: IF W < 100
    THEN W = 100
510 S = S - 12: IF S < 1 THEN
    S = 1
520 GOTO 110
530 REM YOU LOSE
540 PRINT "THE SUBJECT'S
    CHOLESTEROL LEVEL"
550 PRINT "IS TOO HIGH": GOTO
    580
560 PRINT "THE SUBJECT'S
    NUTRITION LEVEL"
570 PRINT IS "TOO LOW"
580 PRINT "YOU HAVE BEEN
    SENT"
590 PRINT "FOR
    REPROGRAMMING"
600 GOTO 640
610 PRINT "THE SUBJECT'S
    CHOLESTEROL LEVEL"
620 PRINT "HAS BEEN
    LOWERED."
630 PRINT "GOOD WORK!"
640 PRINT "PLAY AGAIN? Y/N"
650 INPUT A$: IF A$ <> "Y"
    THEN 670
660 GOTO 70
670 END
680 DATA WHOLE MILK, EGGS,
    BUTTER, ICE CREAM
690 DATA PIZZA WITH EXTRA
    CHEESE

```

```

700 DATA STEAK,
    CHEESEBURGER,
    COCONUTS
710 DATA RICE, BREAD,
    SPAGHETTI, FISH
720 DATA CARROTS, BROCCOLI,
    OATMEAL, BANANAS
730 DATA CORNFLAKES, APPLE
    JUICE, MARGARINE
740 DATA STRAWBERRIES,
    STRINGBEANS

```

#### Commodore 64

```

5 C$ = " "
30 REM
80 PRINT CHR$(147)
120 PRINT CHR$(19)
125 PRINT CHR$(17)
135 PRINT TAB(18);" "
137 PRINT CHR$(145);
150 PRINT
170 GOSUB 900
175 PRINT TAB(22);"CLOSED"
180 PRINT:PRINT C$
190 IF CL>250 THEN 530
200 IF N<70 THEN 560
210 IF CL<180 THEN 610
280 GOSUB 900
290 PRINT TAB(22);"OPEN "
310 PRINT:PRINT D$
320 GOSUB 900
325 PRINT CHR$(17):PRINT
    CHR$(17)
327 PRINT TAB(Y-1);" "
330 PRINT CHR$(145);TAB(Y);D$
350 GET J$
360 IF J$ = " " THEN 390
365 S$ = LEFT$(C$,L)
370 PRINT CHR$(145);TAB(Y);S$
450 PRINT CHR$(145);

```

```

451 PRINT TAB(38);" "
900 PRINT CHR$(19)
910 FOR K=1 TO 5:PRINT
    CHR$(17);:NEXT K
920 RETURN

```

#### IBM

```

5 RANDOMIZE TIMER
30 REM
80 CLS
120 LOCATE 3,1
150 LOCATE 7,1
170 LOCATE 7,22:PRINT
    "CLOSED"
190 IF CL > 250 THEN LOCATE
    14,1:GOTO 530
200 IF N < 70 THEN LOCATE
    14,1:GOTO 560
210 IF CL < 180 THEN LOCATE
    14,1:GOTO 610
280 REM
290 LOCATE 7,22:PRINT
    "OPEN "
310 LOCATE 9,1:PRINT D$
320 LOCATE 12,1:PRINT
    TAB(Y);" "
330 LOCATE 12,1:PRINT
    TAB(Y);D$
350 A$ = INKEY$
360 IF A$ <> "" THEN 450
370 REM
380 REM
450 LOCATE 12,1:PRINT
    TAB(Y);SPC(L + 1)

```

## Send Us Your Programs

If you've written a program you'd like us to print, send it in. If we like it, we'll print it and send you, \$25. Include a note telling us your name, address, age, T-shirt size and type of computer.

All programs must be your own original work. We cannot return programs. Please do not send disks.

Send your program to:

**Basic Training**  
**3-2-1 CONTACT Magazine**  
**1 Lincoln Plaza**  
**New York, NY 10023**



# Extra!

by Russell Ginns

Wait! Stop! This issue isn't done. There are still two pages of Extra! fun.

## Hidden Health Hint

Sean was about to get up and fix himself a bowl of Sugar Frosted Choco-Sweets when he heard some nutrition advice on the radio. Can you solve our word search to find out what that advice was?



WATCH OUT! DOCTORS NOW  
BELIEVE THAT EATING  
TOO MUCH OF SOME  
STUFF IS NOT HEALTHY!

Use the words from this broadcast as a word list. The words are hidden across, backwards, up and down. The leftover letters will spell out the advice that Sean heard on the radio.

Search for the answer on the Did It! page.

D O C T O R S E ! B  
A O G N I T A E Y E  
H U M U C H T O H L  
C T L T H A T F T I  
T ! S T U F F E L E  
A S S O M E S C A V  
W N O T A T O O E E  
N N O W I S D Y H !

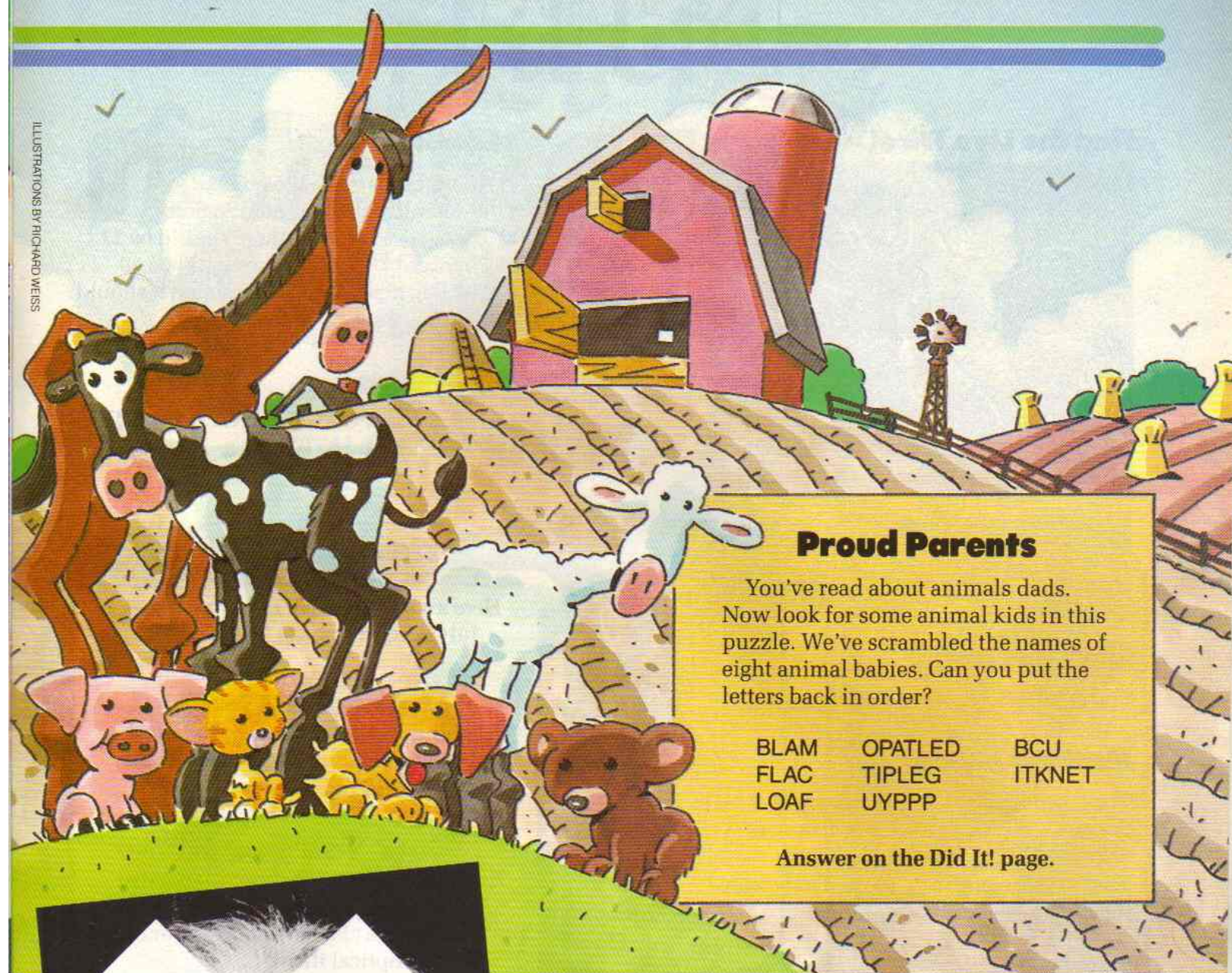
## Bungled Banner

June 14th is Flag Day. So Richard painted a great big American flag for us. But he made a few mistakes! Can you find four things wrong with this flag?

The answer is waving on the Did It! page.





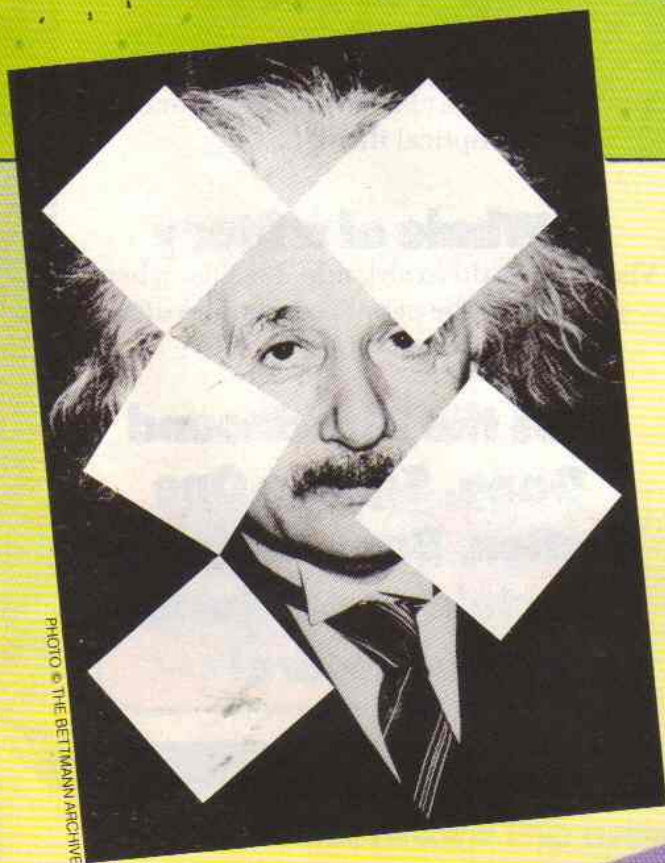


## Proud Parents

You've read about animals dads. Now look for some animal kids in this puzzle. We've scrambled the names of eight animal babies. Can you put the letters back in order?

BLAM	OPATLED	BCU
FLAC	TIPLEG	ITKNET
LOAF	UYPPP	

Answer on the Did It! page.

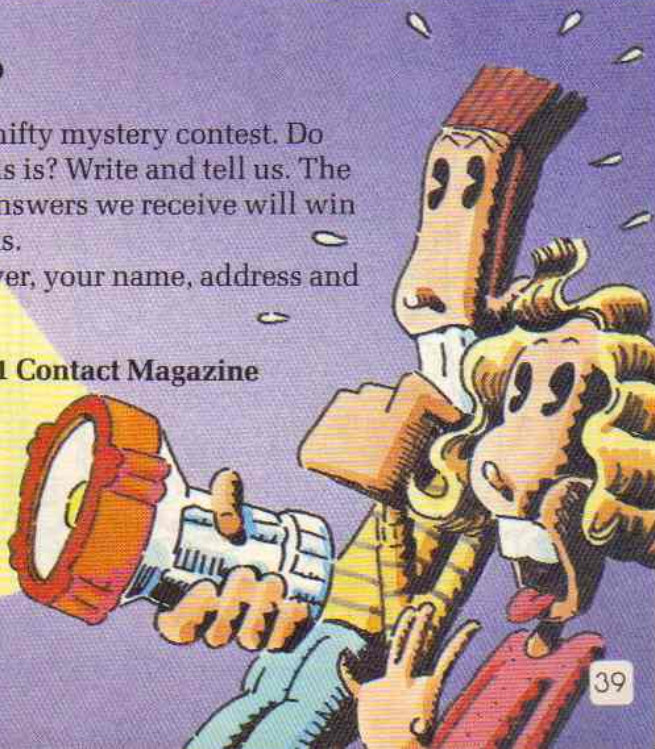


## Who's This?

Here's another nifty mystery contest. Do you know who this is? Write and tell us. The first five correct answers we receive will win CONTACT T-shirts.

Send your answer, your name, address and T-shirt size to:

Who's This? / 3-2-1 Contact Magazine  
P.O. Box 40  
Vernon, NJ 07462





# —Did It!—

## Find the Live Wire!



## She's So Loud!

The volume has been turned up to ten.

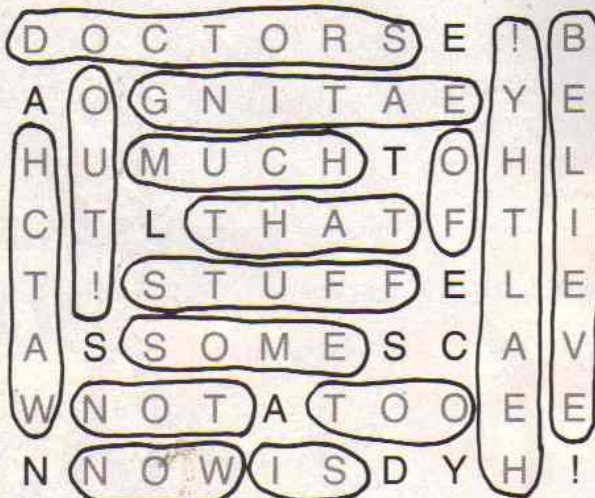
## Mathnet Mystery

The costume fee is  $\frac{2}{20}$  of the profit.  $\frac{2}{20}$  is the same as  $\frac{1}{10}$ . Gus's fee is  $\frac{9}{10}$ .  $\frac{1}{10} + \frac{9}{10} = \frac{10}{10}$ .

That's *all* the profit, or 100%. That means that the musician gets nothing.

## Extra!

### Hidden Health Hint



Answer: EAT LESS CANDY!

## Bungled Banner

- 1) All of the stars are six-pointed. They should have five points each.
- 2) There are 11 stripes, there should be 13.
- 3) There are 41 stars, there should be 50.
- 4) The flag is shaped like a square. It should be shaped like a rectangle.

## Proud Parents

LAMB, CALF, FOAL, TADPOLE, PIGLET, PUPPY, CUB and KITTEN

## Next Month!

Here's a look at what's coming in the July/August issue of CONTACT:

### That's Amusing

A behind-the-scenes look at the latest and greatest amusement park rides all around the U.S.

### Now You See It!

An optical illusion feature filled with amazing tricks of the eye. You'll even get a chance to make your own optical illusions.

### A Whale of a Story


Visit Sea World in Orlando, Florida, where you'll meet the people who train killer whales to do fantastic feats.

**Plus the Bloodhound Gang, Square One Section, Basic Training, Factoids and Much, Much More!**



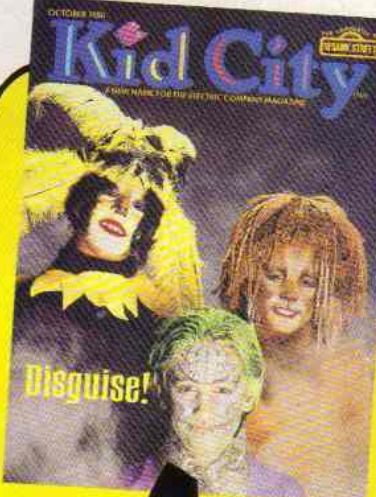
# Put the right magazine in a child's hands..

and watch the fun  
and learning begin!



**PRE SCHOOL**  
ages 2 through 6

**SESAME STREET MAGAZINE**  
From the TV show that revolutionized learning—Big Bird, Bert and Ernie, Grover and all the other "folks" keep your pre-schooler entertained for hours! Plus a Parent's Guide! Ten issues a year, just \$13.97.



**ages 6 to 10**

**KID CITY MAGAZINE**  
(Formerly Electric Company)  
Makes reading, language skills and learning fun. Educates and entertains through stories, puzzles, word games, projects and features. Perfect for Sesame Street Graduates! Ten issues for just \$13.97.

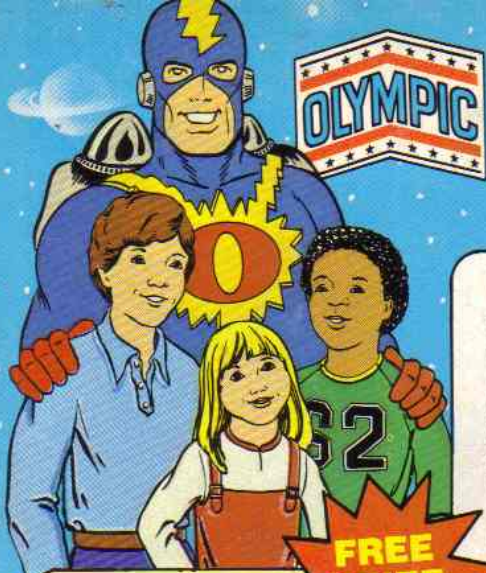


**ages 8 to 14**

**3-2-1 CONTACT MAGAZINE**  
Award winning articles about Nature, Science and Technology. Each issue is packed with puzzles, projects, and challenging Square One TV math pages ...All designed to help your child learn while having fun. Ten issues for just \$15.97.

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Just return the order card of your choice...TODAY!**





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Sell 9 Items



NINTENDO "SUPER MARIO BROS. 2" GAME CARTRIDGE  
Sell 42 Items



TWO-MAN BOAT KIT  
Sell 21 Items



SWISS ARMY KNIFE WITH SHEATH  
Sell 10 Items



RADIO CONTROL "TURBO LEOPARD"  
Sell 31 Items



SPORT FUN "SCREAMER" SKATEBOARD  
Sell 26 Items



"GIRL TALK" GAME  
Sell 13 Items



BASEBALL CARD COLLECTING KIT  
Sell 15 Items



ARMITRON CALCULATOR ALARM WATCH  
Sell 9 Items



KODAK "STAR" POCKET INSTAMATIC CAMERA OUTFIT  
Sell 11 Items



SPORT FUN "SQUEEZ BALL"  
Sell 8 Items



SPORT FUN'S SUPER SCOOTER  
Sell 45 Items



ROBOT TELEPHONE  
Sell 23 Items



"FINDERS KEEPERS" GAME  
Sell 16 Items



TASCO PERISCOPE  
Sell 14 Items



NINTENDO GAME SYSTEM  
Sell 85 Items



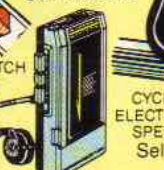
DRUMSTAR ELECTRONIC PERCUSSION PLAYER  
Sell 32 Items



SPIN FISHING OUTFIT  
Sell 17 Items



ADVANCE "FLASHING HEARTS" LCD WATCH  
Sell 8 Items



G.E. STEREO AM/FM CASSETTE HEADSET PLAYER  
Sell 21 Items



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Sell 12 Items



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Sell 18 Items



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Sell 30 Items



COKE PHONE  
Sell 18 Items



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Sell 17 Items



GOODYEAR REMOTE CONTROL BLIMP  
Sell 28 Items



G.E. WALKIE-TALKIE SET WITH MORSE CODE  
Sell 18 Items



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Sell 20 Items



ZIPPER CARRY-ALL BAG  
Sell 8 Items



TASCO MICROSCOPE LAB  
Sell 18 Items



CBS RECORDS OR TAPES  
Sell 8 Items



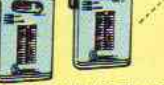
"MOGUL MONSTER" SNOWBOARD  
Sell 35 Items



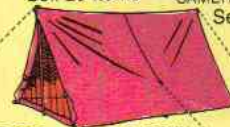
ESTES VAGABOND ROCKET KIT  
Sell 17 Items



KODAK "STYLELITE" POCKET CAMERA OUTFIT  
Sell 20 Items



G.E. WALKIE-TALKIE SET WITH MORSE CODE  
Sell 18 Items



ACADEMY NYLON BACKPACK TENT  
Sell 20 Items



ZIPPER CARRY-ALL BAG  
Sell 8 Items



TURBO CARRY-ALL BAG  
Sell 19 Items



MAIN STREET ELECTRONIC BASEBALL  
Sell 41 Items



SNO-SURF TUBE  
Sell 10 Items

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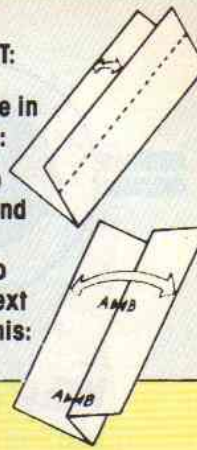


How many of Professor Henpickle's students will become famous? Fold in and find out!

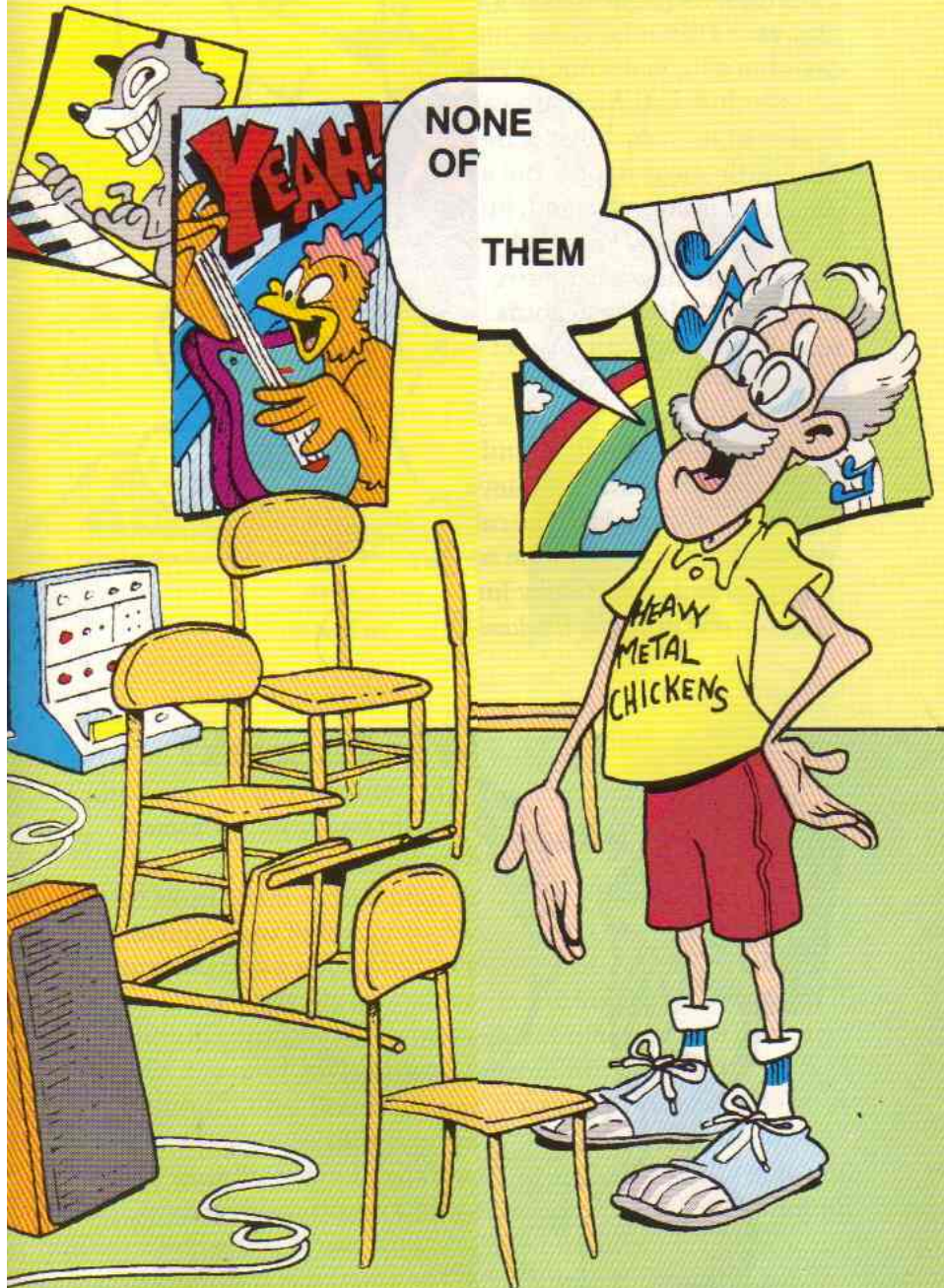


**HOW TO FOLD IT:**

- 1) Fold the page in half like this:
- 2) Grab the top left corner and fold back in half again so that "A" is next to "B" like this:



A ▶ ◀ B



ZERO

TAL'ENT

A ▶ ◀ B